

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057028.D
 Acq On : 1 Aug 2019 11:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:17:54 AM

Quant Time: Aug 02 05:30:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	484720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	704608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	634494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272285	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	240127	48.40	ug/l	0.00
Spiked Amount						
			Recovery	=	96.80%	
35) Dibromofluoromethane	7.58	113	223792	49.61	ug/l	0.00
Spiked Amount						
			Recovery	=	99.22%	
50) Toluene-d8	10.08	98	843519	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	280064	50.01	ug/l	0.00
Spiked Amount						
			Recovery	=	100.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	260404	53.141	ug/l	97
3) Chloromethane	2.05	50	286815	48.879	ug/l	99
4) Vinyl Chloride	2.18	62	272335	49.497	ug/l	99
5) Bromomethane	2.54	94	164130	47.984	ug/l	97
6) Chloroethane	2.68	64	147482	48.625	ug/l	99
7) Trichlorofluoromethane	3.00	101	379667	52.715	ug/l	100
8) Diethyl Ether	3.40	74	141643	52.548	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	225684	50.541	ug/l	99
10) Methyl Iodide	3.94	142	333163	55.837	ug/l	99
11) Tert butyl alcohol	4.78	59	176336	262.923	ug/l	100
12) 1,1-Dichloroethene	3.72	96	219681	51.560	ug/l	100
13) Acrolein	3.59	56	157113	458.766	ug/l	98
14) Allyl chloride	4.31	41	358758	51.764	ug/l	99
15) Acrylonitrile	4.97	53	532703	270.849	ug/l	99
16) Acetone	3.81	43	469547	261.215	ug/l	99
17) Carbon Disulfide	4.04	76	544993	48.138	ug/l	99
18) Methyl Acetate	4.31	43	287113	50.069	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	687488	54.115	ug/l	99
20) Methylene Chloride	4.54	84	255773	49.397	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	230292	50.893	ug/l	96
22) Diisopropyl ether	5.94	45	734796	51.457	ug/l	97
23) Vinyl Acetate	5.88	43	2649738	267.815	ug/l	99
24) 1,1-Dichloroethane	5.83	63	430891	51.143	ug/l	99
25) 2-Butanone	6.82	43	671608	263.487	ug/l	96
26) 2,2-Dichloropropane	6.81	77	337842	52.736	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	277449	51.841	ug/l	100
28) Bromochloromethane	7.18	49	175761	44.382	ug/l	97
29) Tetrahydrofuran	7.20	42	430923	259.118	ug/l	99
30) Chloroform	7.36	83	434900	50.486	ug/l	99
31) Cyclohexane	7.64	56	385070	47.231	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	366543	53.329	ug/l	99
36) 1,1-Dichloropropene	7.78	75	316407	51.033	ug/l	100
37) Ethyl Acetate	6.91	43	263017	52.967	ug/l	99
38) Carbon Tetrachloride	7.76	117	320648	54.674	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	398558	50.296	ug/l	99
40) Benzene	8.03	78	998121	52.268	ug/l	100
41) Methacrylonitrile	7.16	41	129118	56.246	ug/l	89
42) 1,2-Dichloroethane	8.11	62	319720	53.420	ug/l	99
43) Isopropyl Acetate	8.15	43	432885	52.743	ug/l	98
44) Trichloroethene	8.82	130	279376	53.103	ug/l	100
45) 1,2-Dichloropropane	9.11	63	268607	52.587	ug/l	99
46) Dibromomethane	9.20	93	168267	54.625	ug/l	98
47) Bromodichloromethane	9.39	83	336131	55.500	ug/l	99
48) Methyl methacrylate	9.19	41	214655	54.171	ug/l	98
49) 1,4-Dioxane	9.19	88	86537	1059.731	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1327661	272.253	ug/l	100
52) Toluene	10.15	92	618995	53.951	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	351681	55.957	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	404065	55.295	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	243422	52.904	ug/l	98
56) Ethyl methacrylate	10.42	69	352283	50.674	ug/l	99
57) 1,3-Dichloropropane	10.70	76	405498	53.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	616100	223.447	ug/l	99
59) 2-Hexanone	10.74	43	945923	251.863	ug/l	99
60) Dibromochloromethane	10.90	129	268399	56.937	ug/l	98
61) 1,2-Dibromoethane	11.00	107	251323	55.971	ug/l	99
64) Tetrachloroethene	10.63	164	286203	52.344	ug/l	99
65) Chlorobenzene	11.43	112	678329	52.454	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	256579	52.714	ug/l	100
67) Ethyl Benzene	11.50	91	1179544	52.775	ug/l	99
68) m/p-Xylenes	11.62	106	887929	107.647	ug/l	100
69) o-Xylene	11.94	106	433544	53.724	ug/l	97
70) Styrene	11.96	104	722002	50.595	ug/l	100
71) Bromoform	12.12	173	192775	56.728	ug/l #	99
73) Isopropylbenzene	12.25	105	1155836	49.117	ug/l	100
74) N-amyl acetate	12.07	43	351783	51.484	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	315971	53.291	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	263591m	47.669	ug/l	
77) Bromobenzene	12.52	156	301007	49.010	ug/l	98
78) n-propylbenzene	12.59	91	1267234	50.435	ug/l	99
79) 2-Chlorotoluene	12.67	91	759087	49.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	973187	50.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96121	55.850	ug/l	100
82) 4-Chlorotoluene	12.77	91	744723	51.436	ug/l	99
83) tert-Butylbenzene	12.99	119	854166	49.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	956414	51.465	ug/l	100
85) sec-Butylbenzene	13.17	105	1099201	49.843	ug/l	99
86) p-Isopropyltoluene	13.29	119	1000680	51.109	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	482744	51.673	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	463178	51.501	ug/l	100
89) n-Butylbenzene	13.61	91	785761	52.072	ug/l	100
90) Hexachloroethane	13.87	117	170096	50.453	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	481208	52.336	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51329	54.842	ug/l	99

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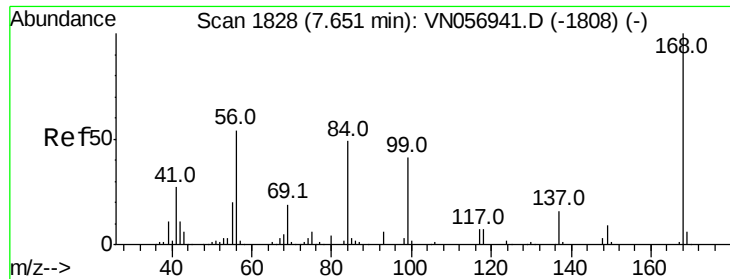
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	216834	45.946	ug/l	100
94) Hexachlorobutadiene	15.00	225	180171	56.531	ug/l	99
95) Naphthalene	15.12	128	565774	48.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	243864	50.841	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 484720

Ion Ratio Lower Upper

168 100

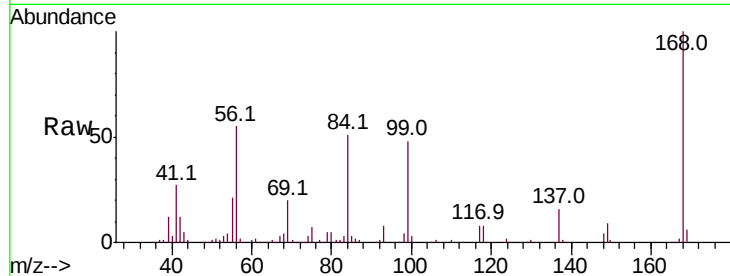
99 48.1 39.0 58.4

Manual Integrations

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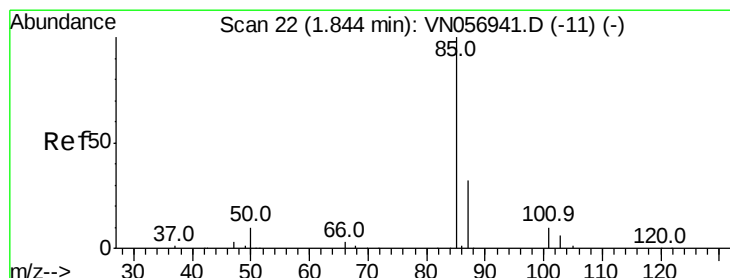
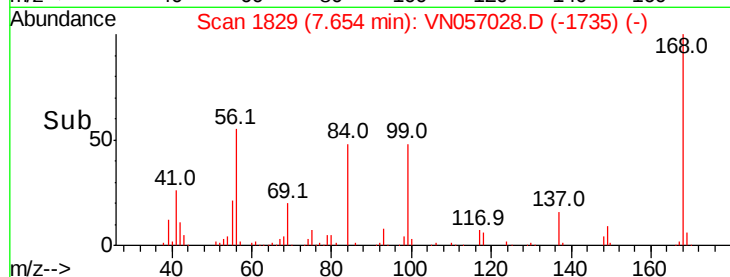
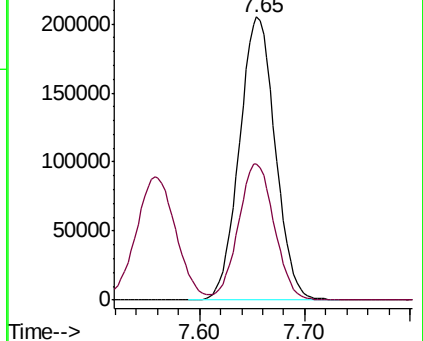
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.141 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057028.D

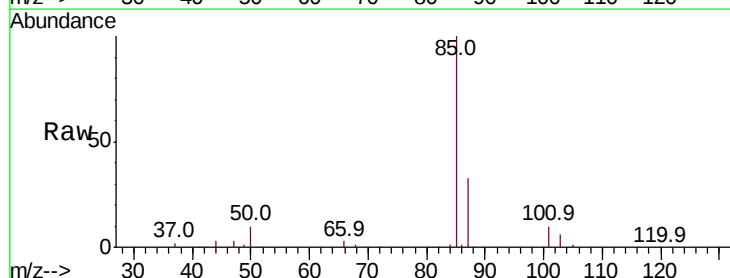
Acq: 1 Aug 2019 11:22

Tgt Ion: 85 Resp: 260404

Ion Ratio Lower Upper

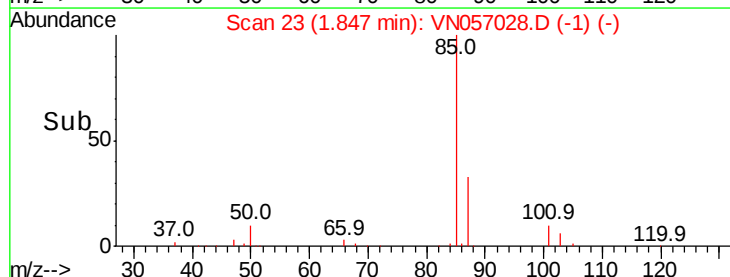
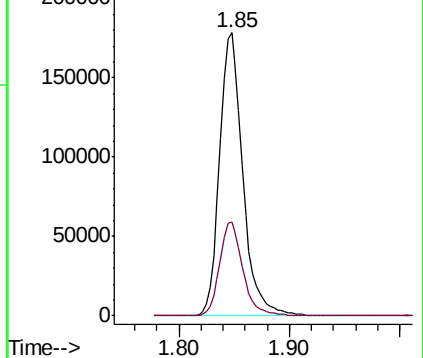
85 100

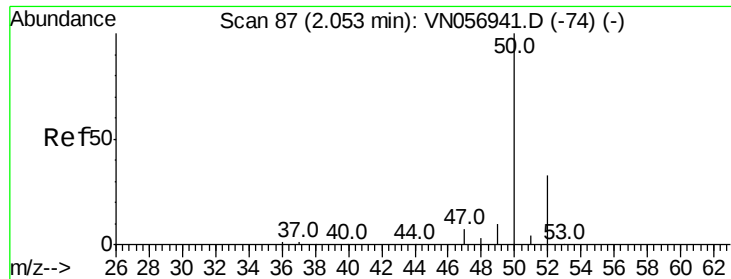
87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.879 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 286815

Ion Ratio Lower Upper

50 100

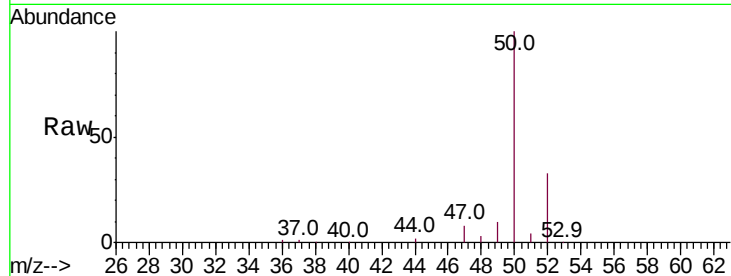
52 33.1 26.2 39.2

Manual Integrations

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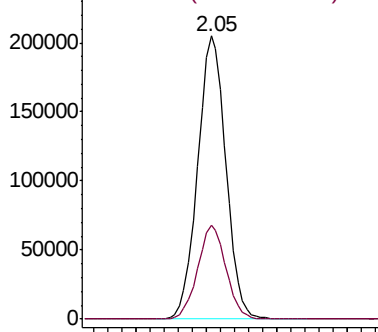
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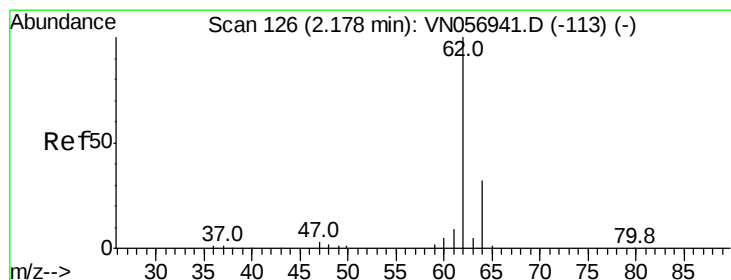
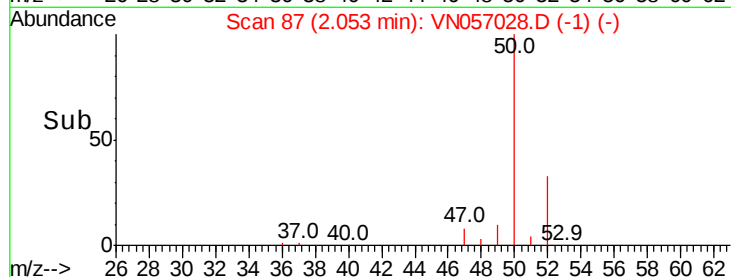


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 49.497 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057028.D

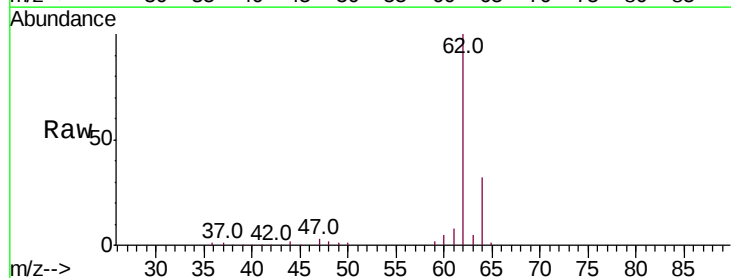
Acq: 1 Aug 2019 11:22

Tgt Ion: 62 Resp: 272335

Ion Ratio Lower Upper

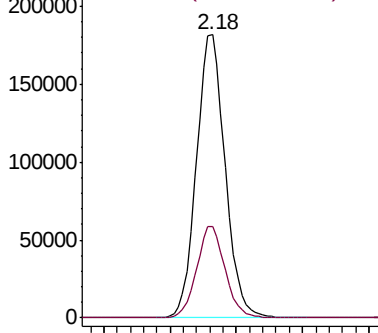
62 100

64 32.1 25.4 38.0

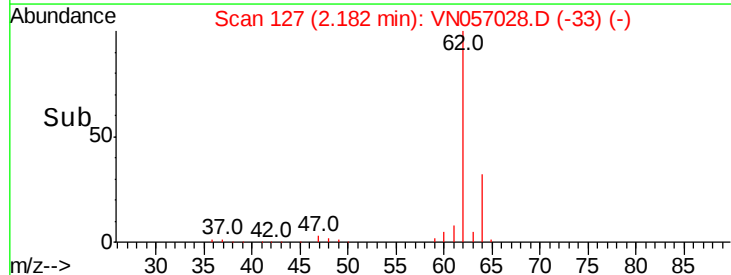


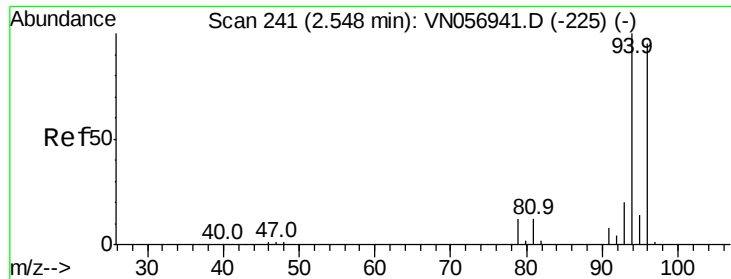
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 47.984 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 164130

Ion Ratio Lower Upper

94 100

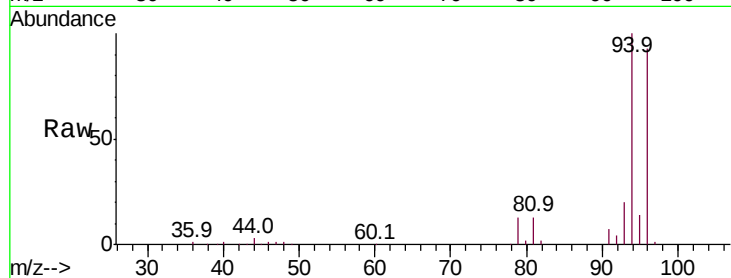
96 92.7 76.2 114.2

Manual Integrations

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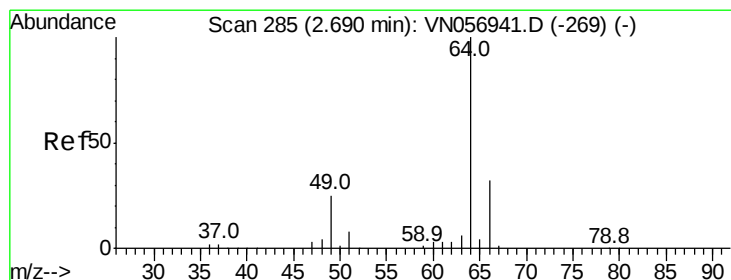
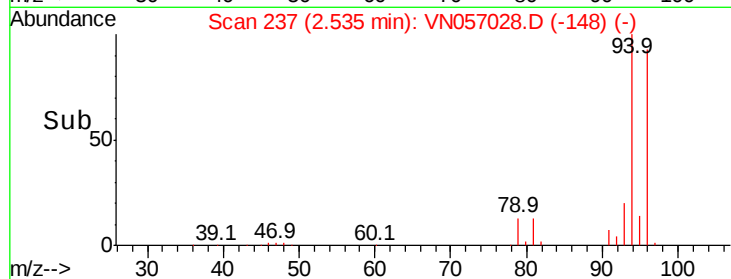
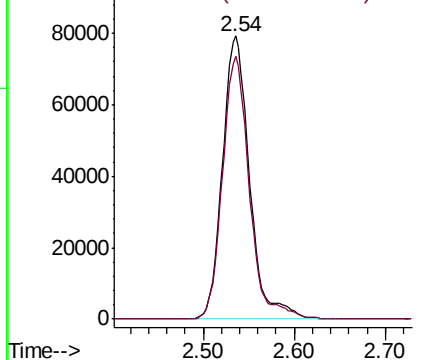
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.625 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057028.D

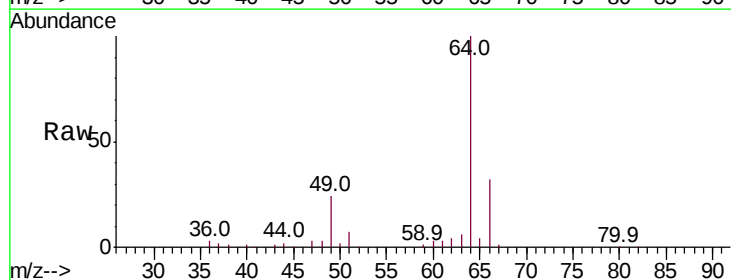
Acq: 1 Aug 2019 11:22

Tgt Ion: 64 Resp: 147482

Ion Ratio Lower Upper

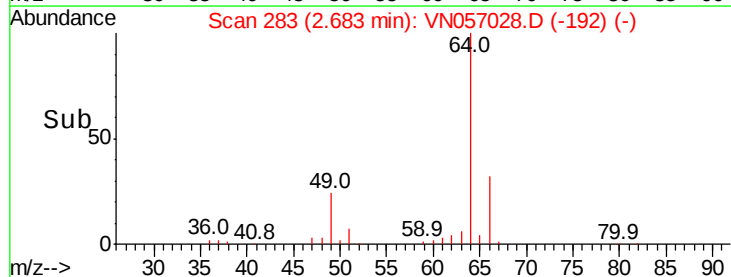
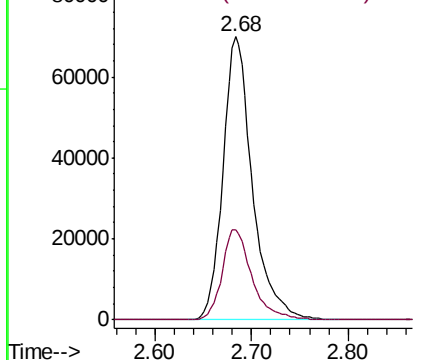
64 100

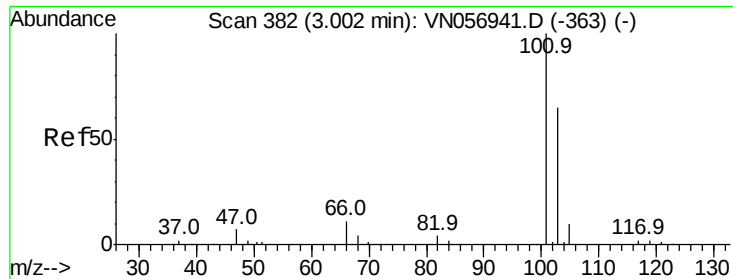
66 31.9 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

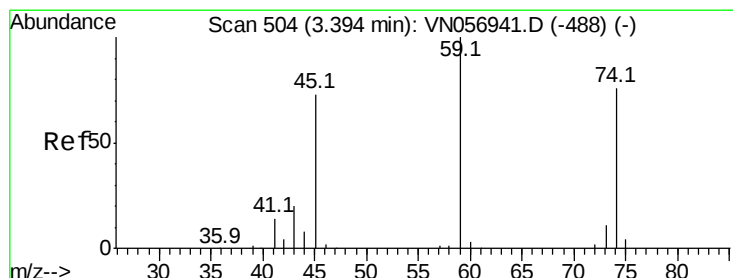
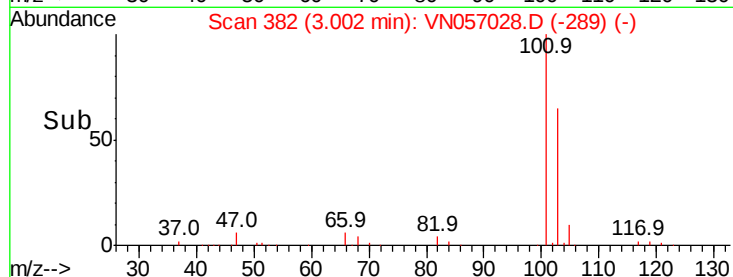
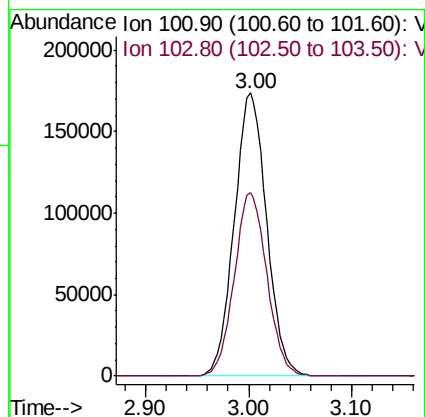
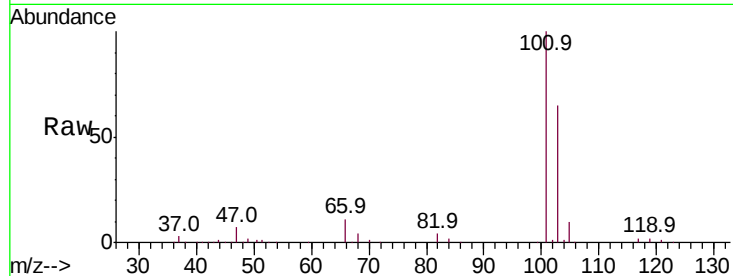
Trichlorofluoromethane
Concen: 52.715 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 379667
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1

Manual Integrations
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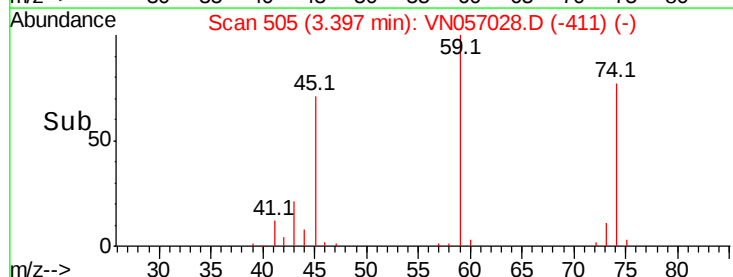
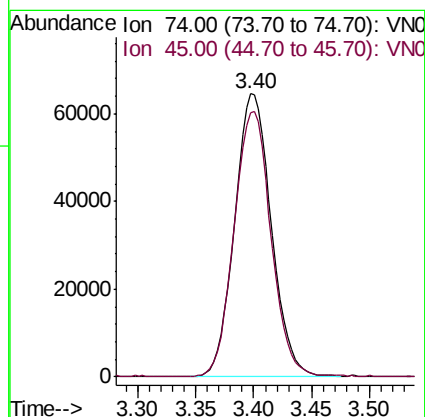
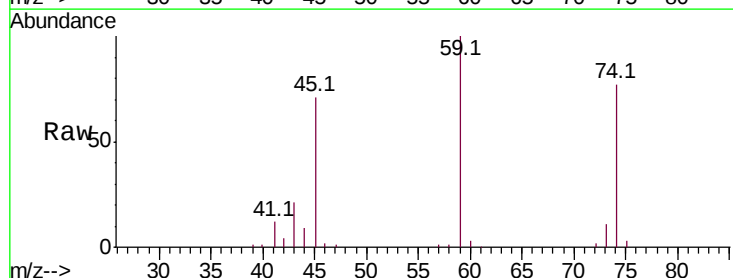
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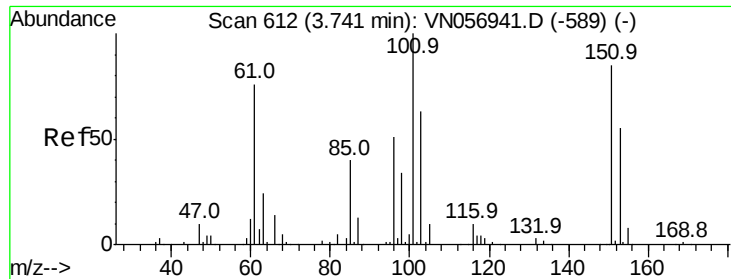


#8

Diethyl Ether
Concen: 52.548 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion: 74 Resp: 141643
Ion Ratio Lower Upper
74 100
45 94.4 48.1 144.3





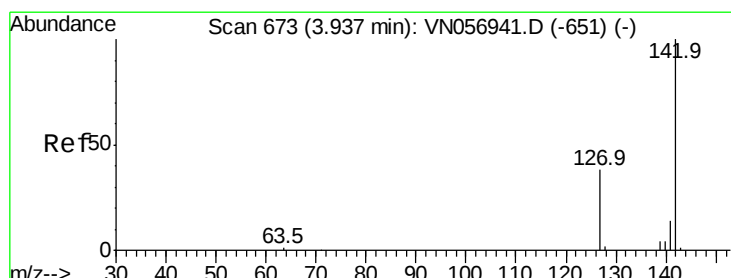
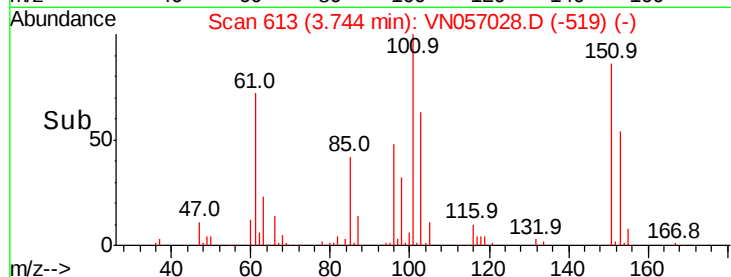
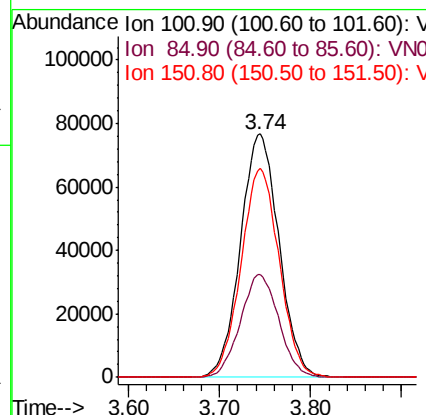
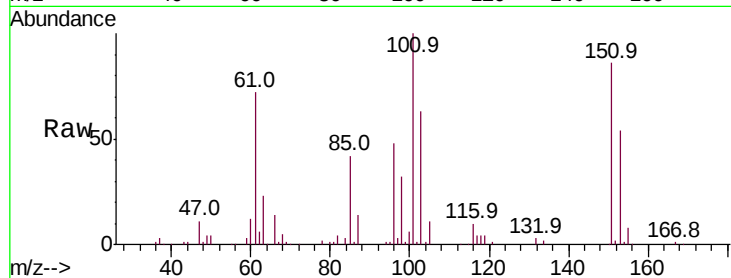
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.541 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	225684		
85	41.8	32.3	48.5	
151	85.1	68.0	102.0	

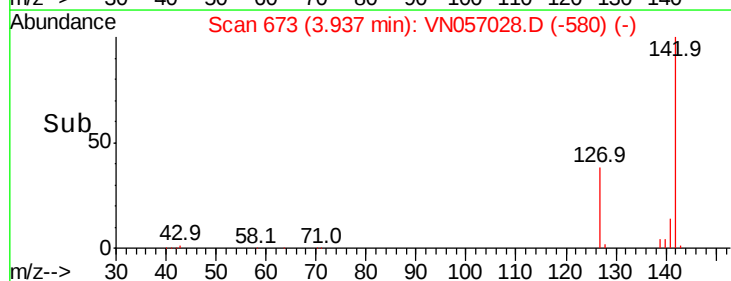
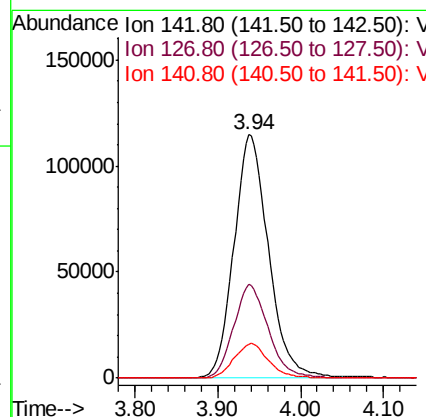
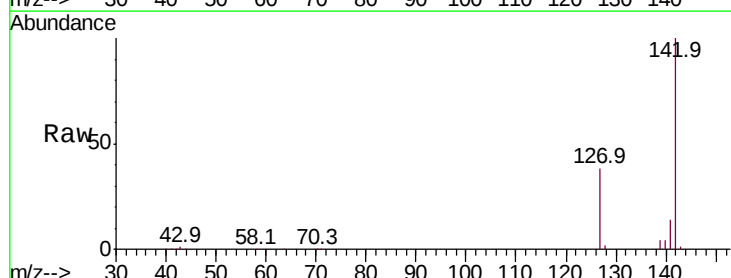
Manual Integrations
APPROVED

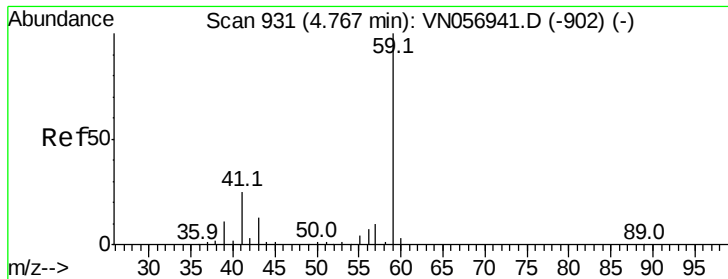
MMDadoda
8/2/2019 11:17:54 AM



#10
Methyl Iodide
Concen: 55.837 ug/l
RT: 3.94 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	333163		
127	38.4	30.4	45.6	
141	14.2	11.1	16.7	





#11

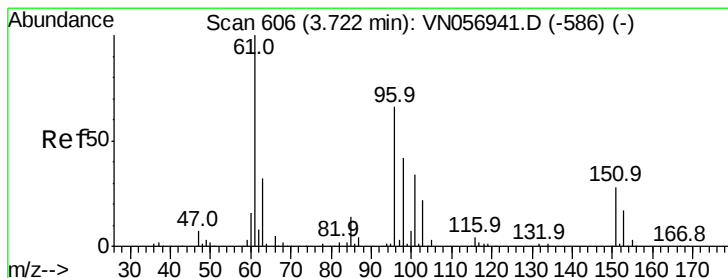
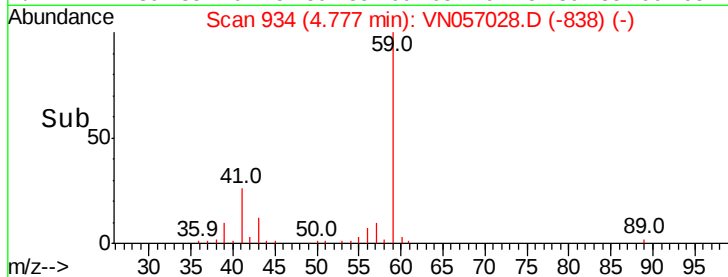
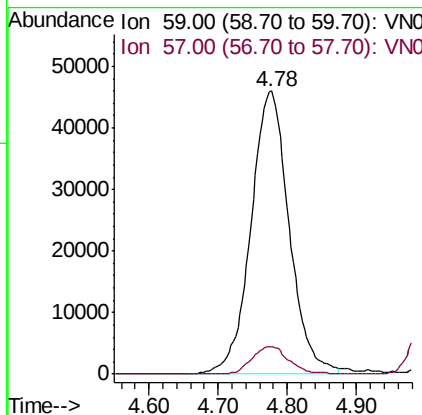
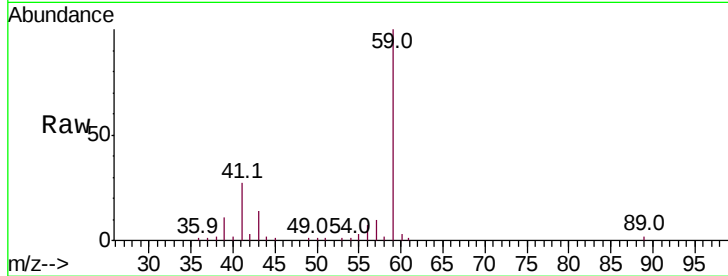
Tert butyl alcohol
Concen: 262.923 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.01 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.5	11.3

Manual Integrations
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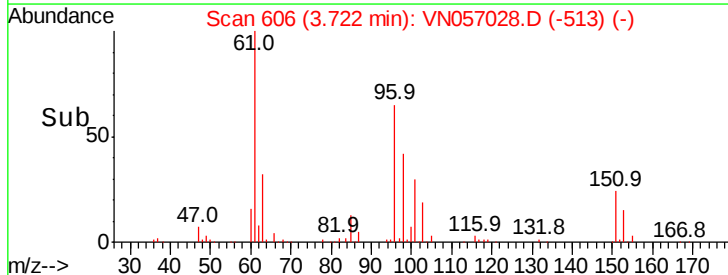
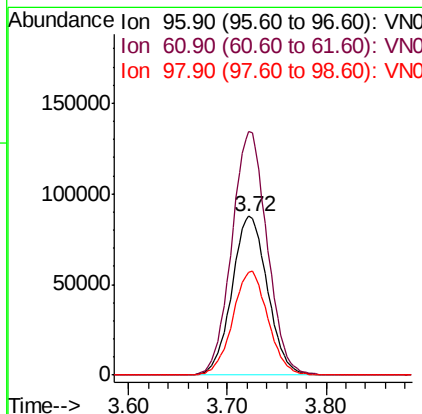
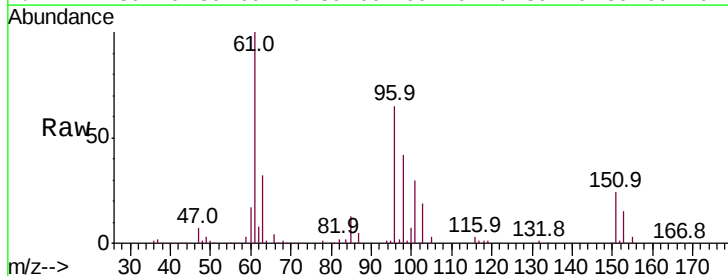
MMDadoda
8/2/2019 11:17:54 AM

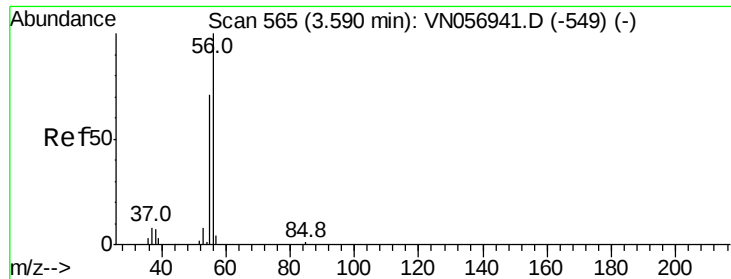


#12

1,1-Dichloroethene
Concen: 51.560 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	121.8	182.8
98	64.8	51.7	77.5





#13

Acrolein

Concen: 458.766 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 157113

Ion Ratio Lower Upper

56 100

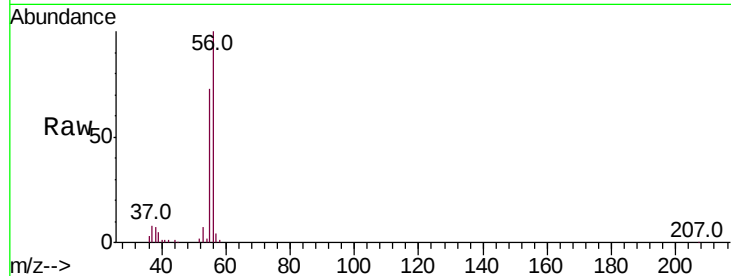
55 71.1 55.8 83.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)

3.59

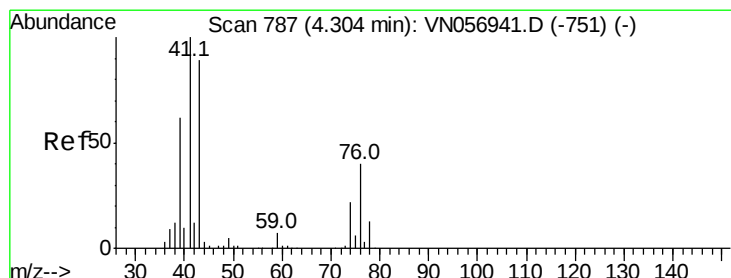
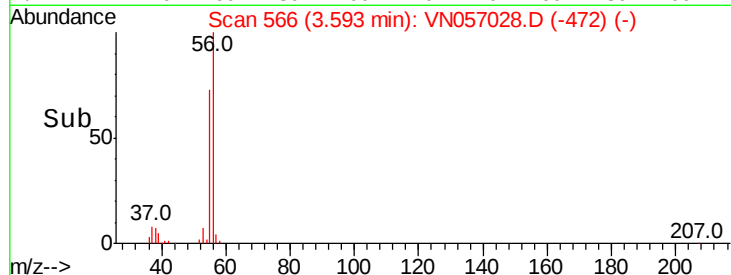
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 51.764 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

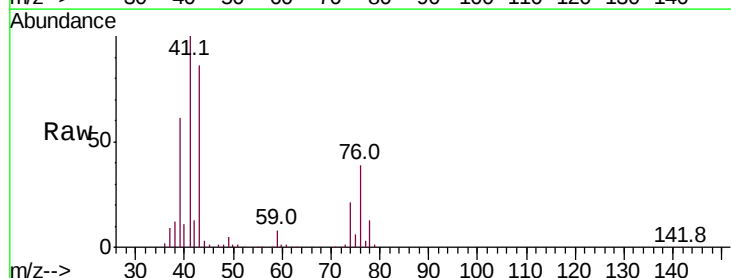
Tgt Ion: 41 Resp: 358758

Ion Ratio Lower Upper

41 100

39 58.1 46.4 69.6

76 36.3 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)

4.31

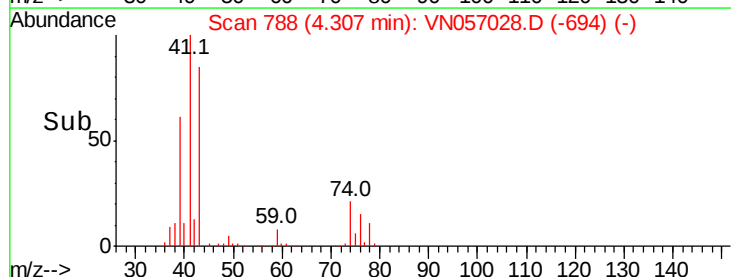
150000

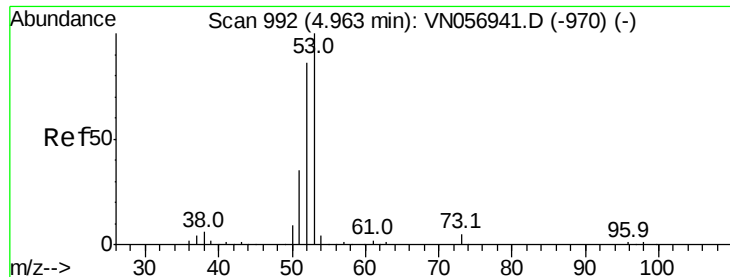
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 270.849 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

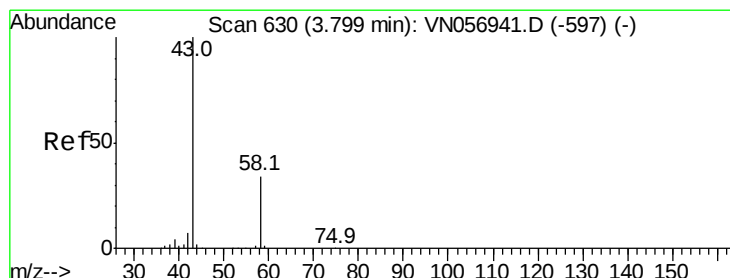
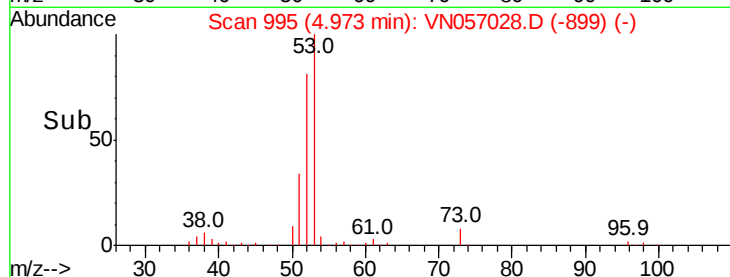
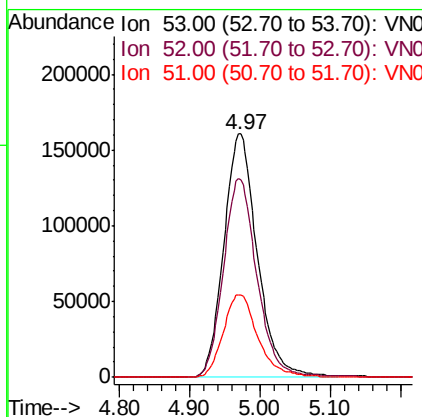
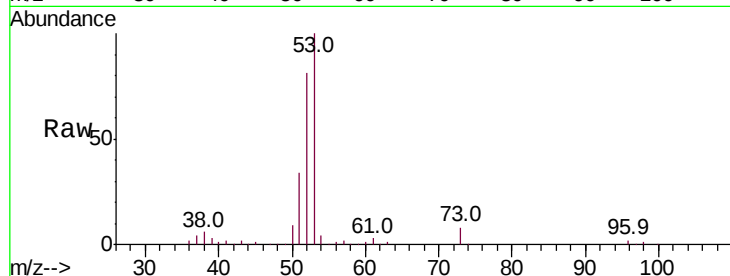
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	532703
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.5	99.7
51	35.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 261.215 ug/l

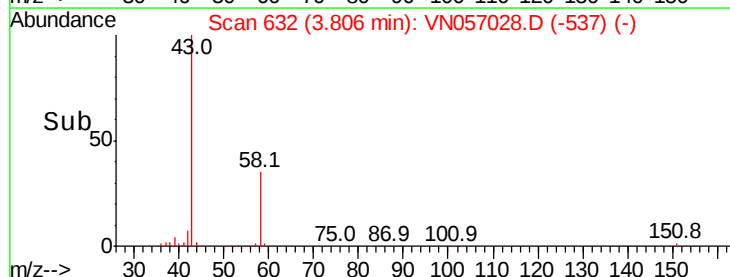
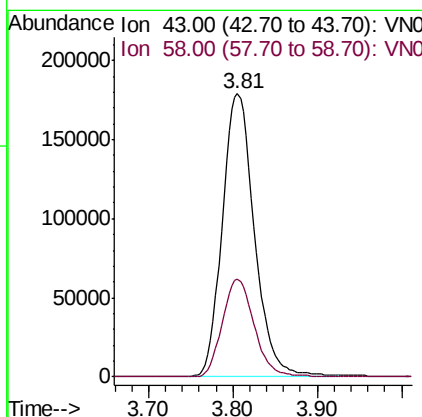
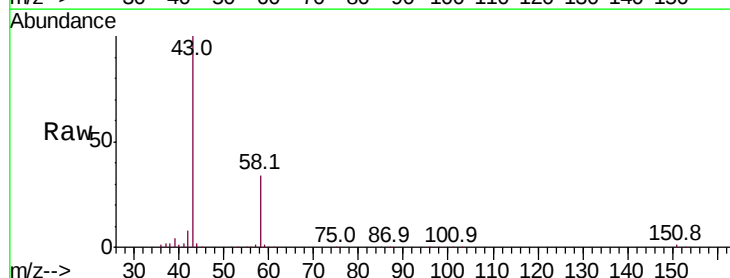
RT: 3.81 min Scan# 632

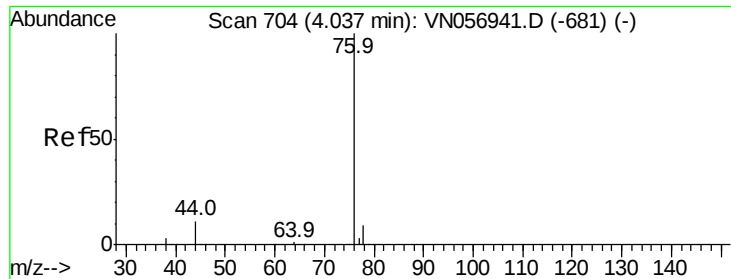
Delta R.T. 0.01 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:	43	Resp:	469547
Ion Ratio	Lower	Upper	
43	100		
58	34.5	27.2	40.8





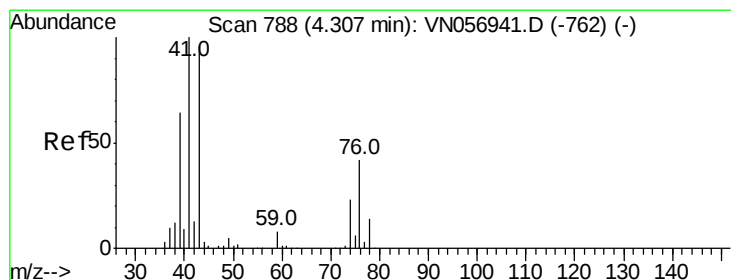
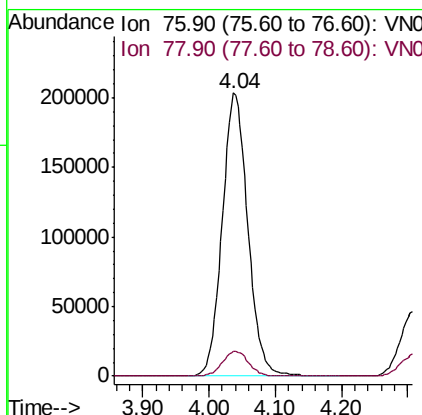
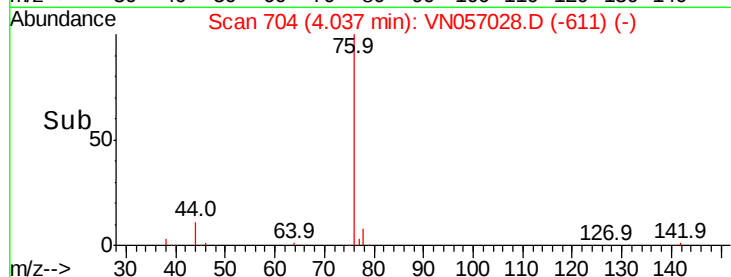
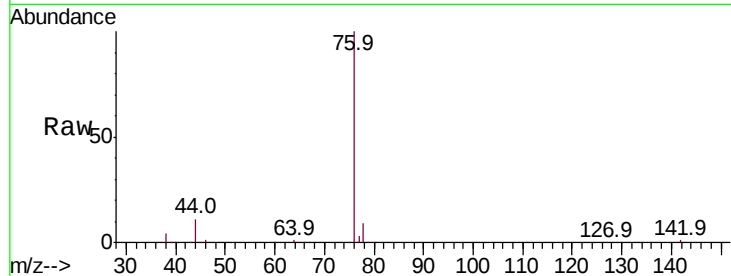
#17
Carbon Disulfide
Concen: 48.138 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 544993
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

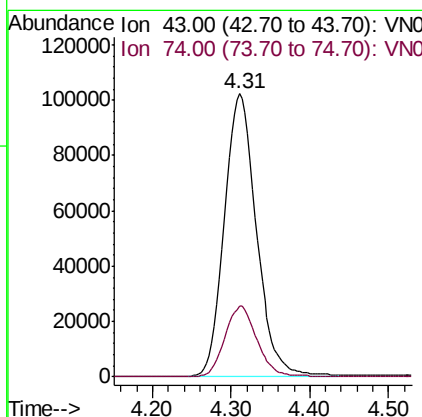
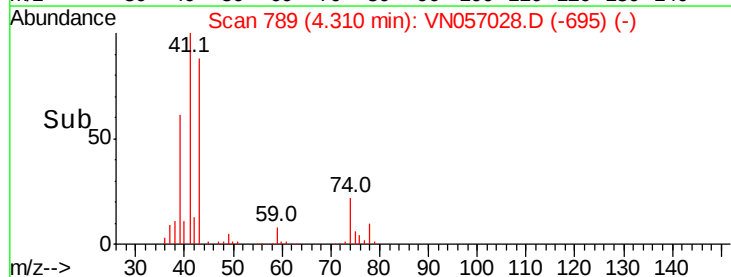
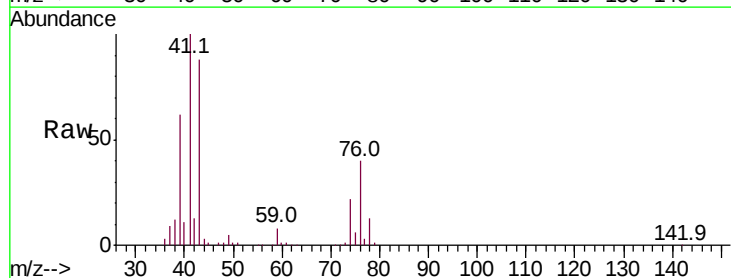
Manual Integrations
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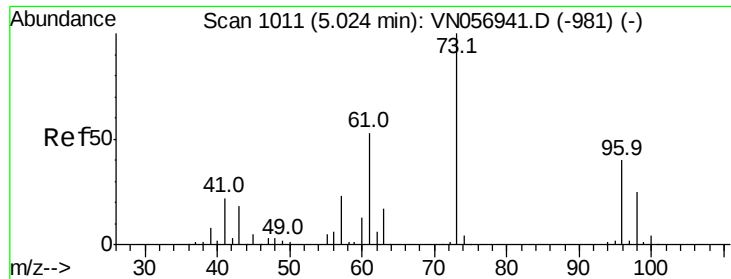
MMDadoda
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#18
Methyl Acetate
Concen: 50.069 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion: 43 Resp: 287113
Ion Ratio Lower Upper
43 100
74 25.1 19.7 29.5





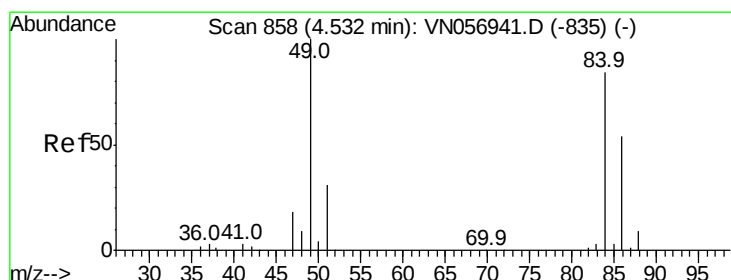
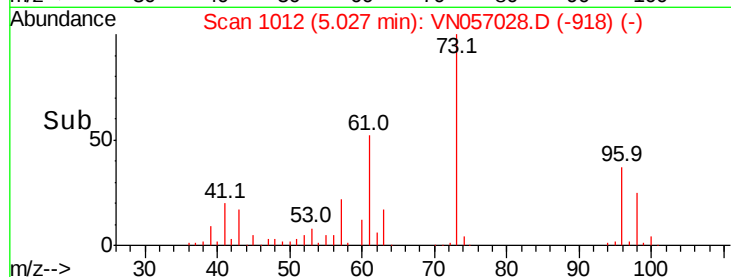
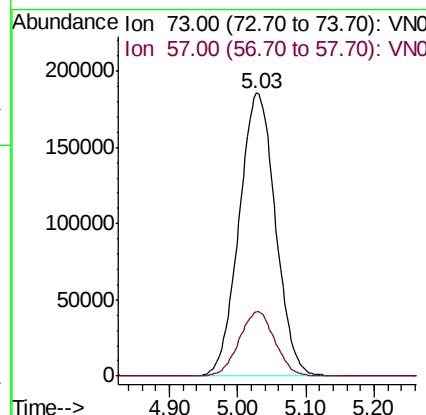
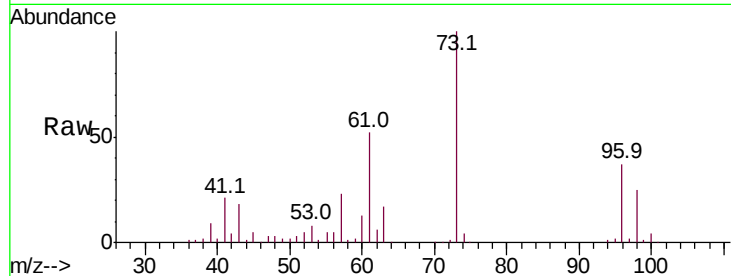
#19
Methvl tert-butvl Ether
Concen: 54.115 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 687488
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

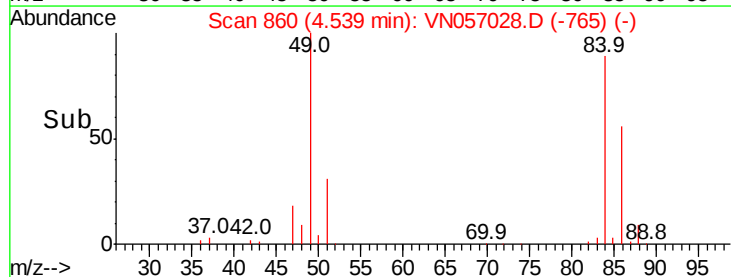
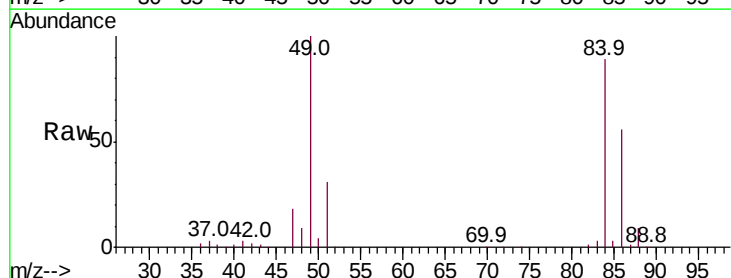
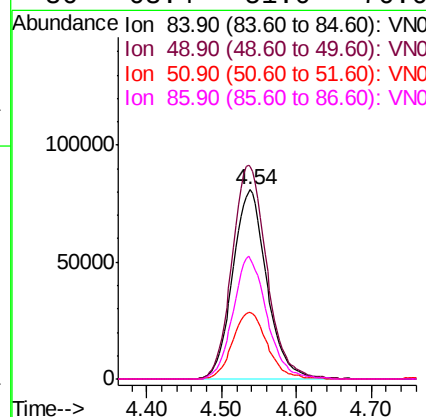
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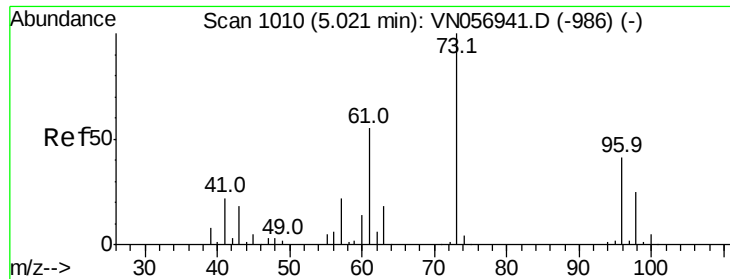
MMDadoda
8/2/2019 11:17:54 AM



#20
Methylene Chloride
Concen: 49.397 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion: 84 Resp: 255773
Ion Ratio Lower Upper
84 100
49 112.3 95.2 142.8
51 35.4 29.7 44.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.893 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057028.D

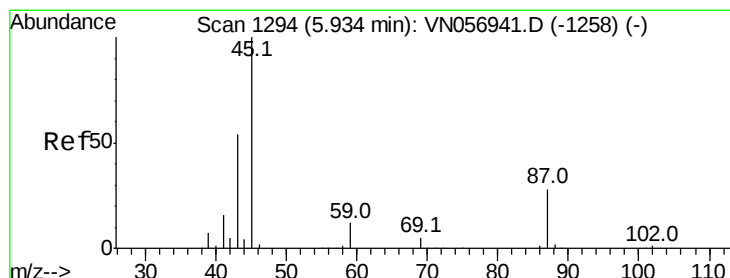
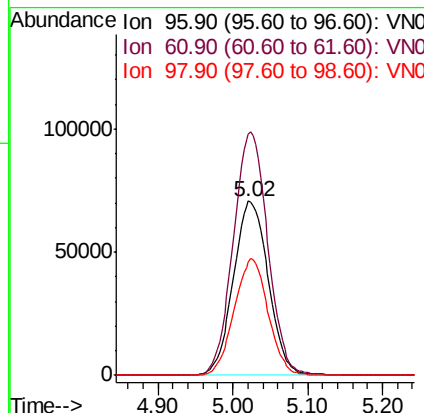
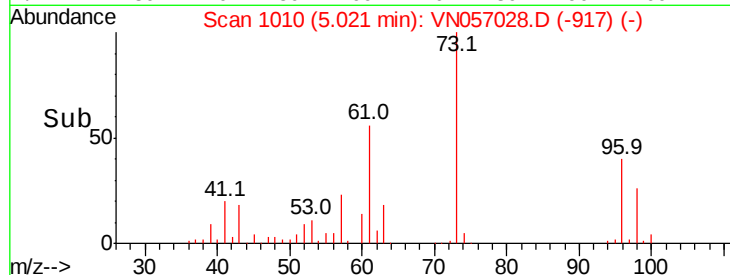
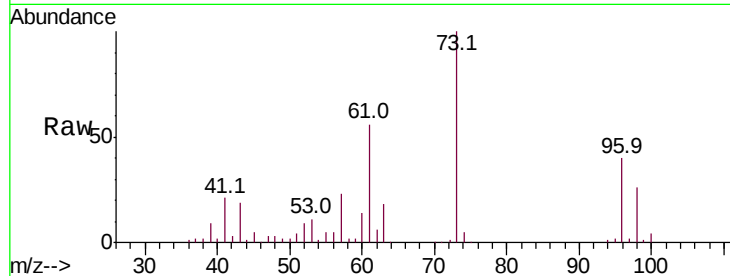
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:	96	Resp:	230292
Ion	Ratio	Lower	Upper
96	100		
61	138.9	107.5	161.3
98	65.1	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.457 ug/l

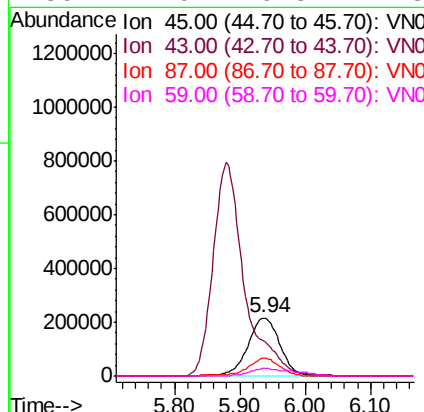
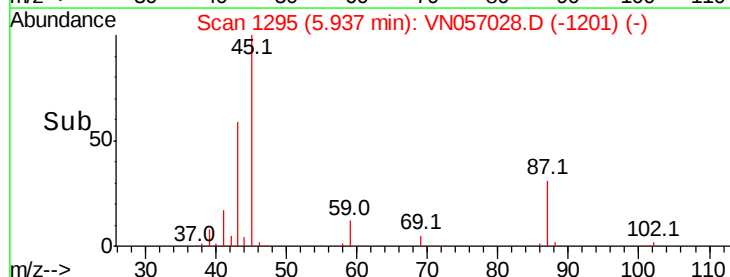
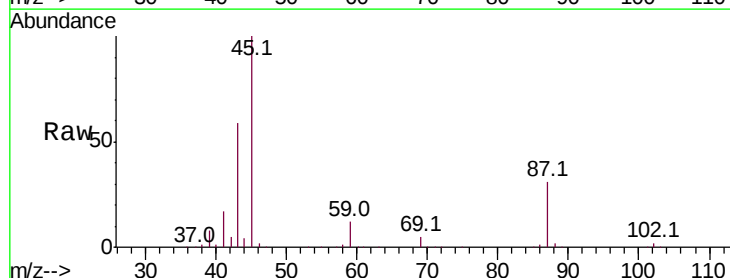
RT: 5.94 min Scan# 1295

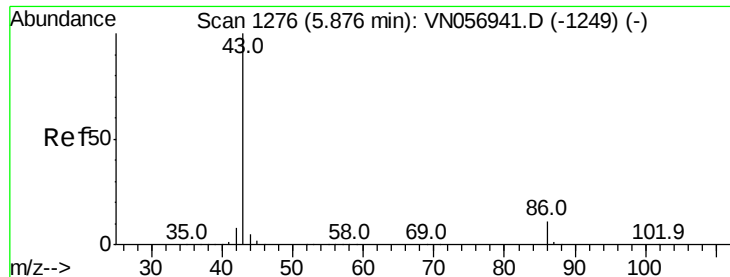
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:	45	Resp:	734796
Ion	Ratio	Lower	Upper
45	100		
43	57.9	44.7	67.1
87	31.2	23.0	34.6
59	12.0	9.8	14.8





#23

Vinyl Acetate

Concen: 267.815 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2649738

Ion Ratio Lower Upper

43 100

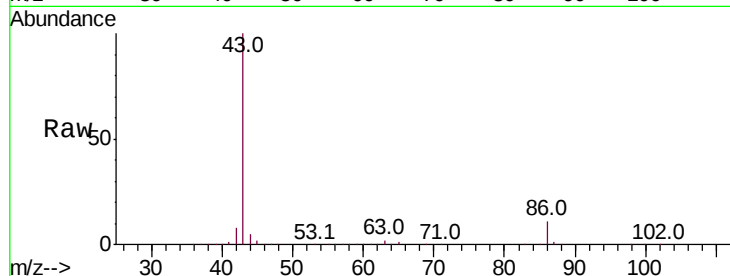
86 11.0 8.5 12.7

Manual Integrations

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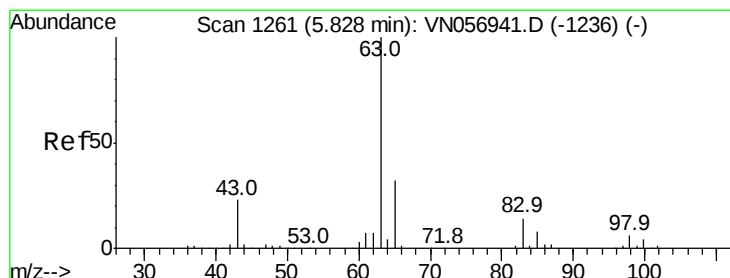
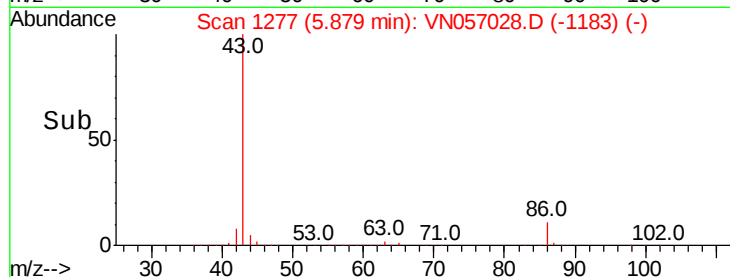
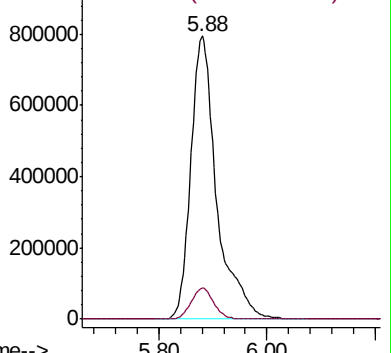
MMDadoda

8/2/2019 11:17:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.143 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

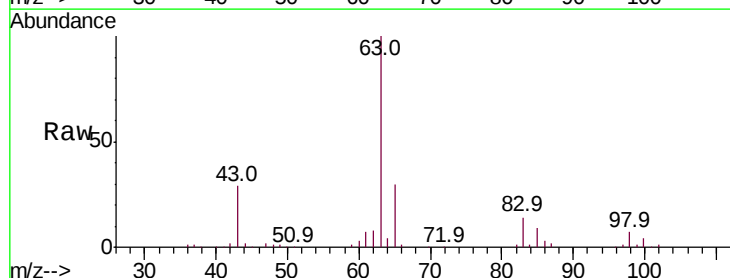
Tgt Ion: 63 Resp: 430891

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

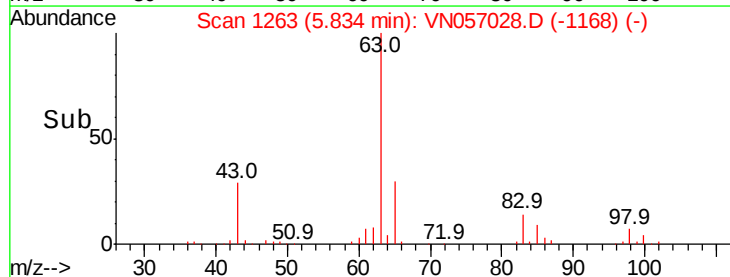
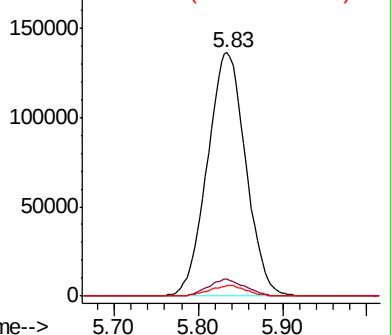
100 4.2 2.1 6.3

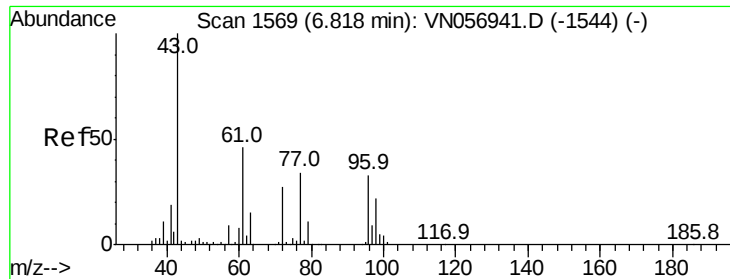


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 263.487 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 671608

Ion Ratio Lower Upper

43 100

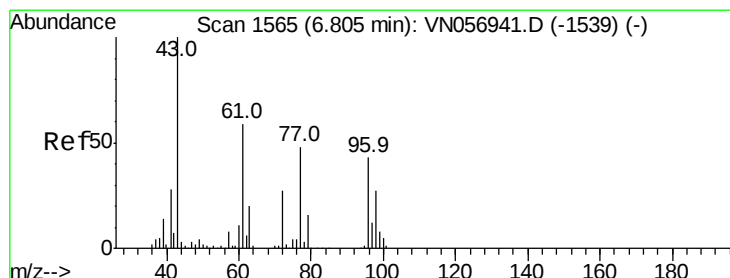
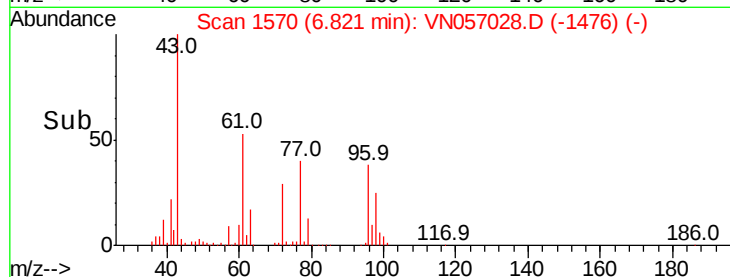
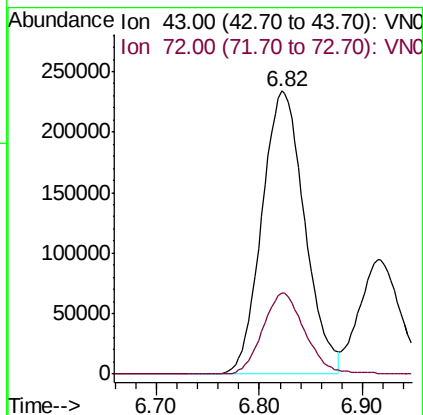
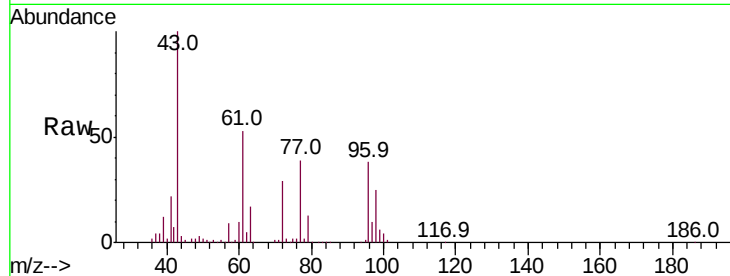
72 28.8 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 52.736 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057028.D

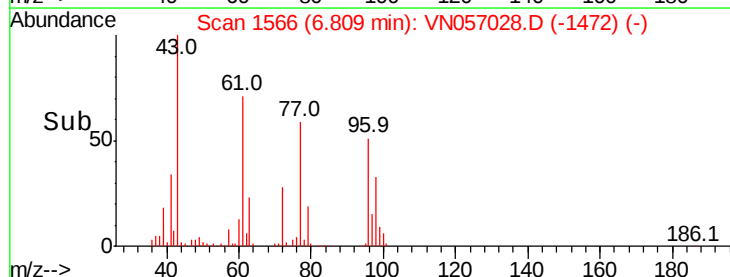
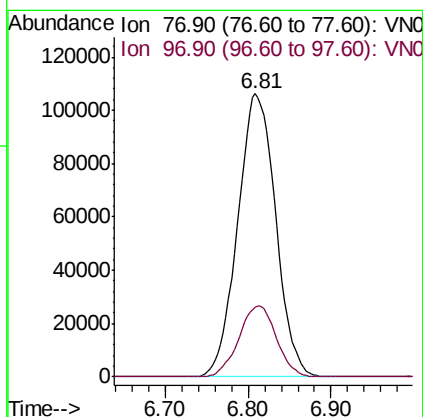
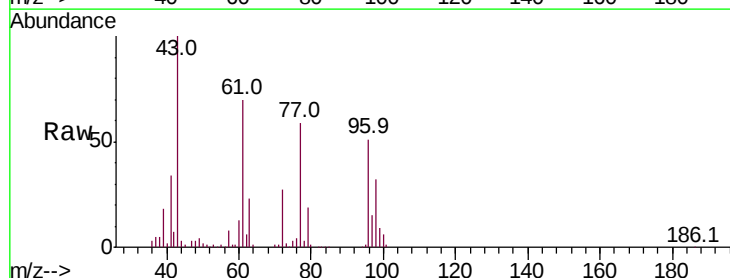
Acq: 1 Aug 2019 11:22

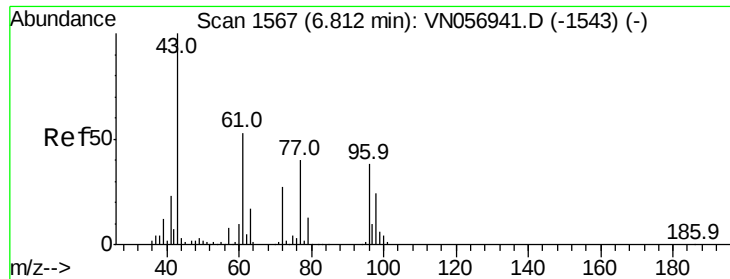
Tgt Ion: 77 Resp: 337842

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.841 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057028.D

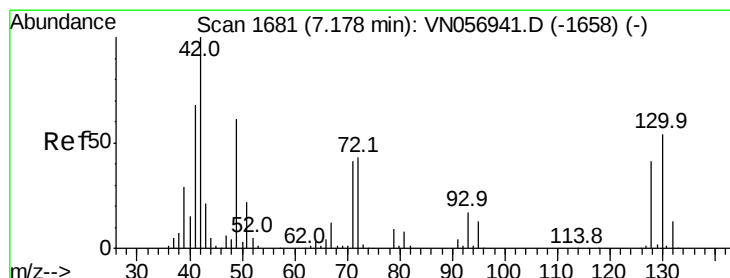
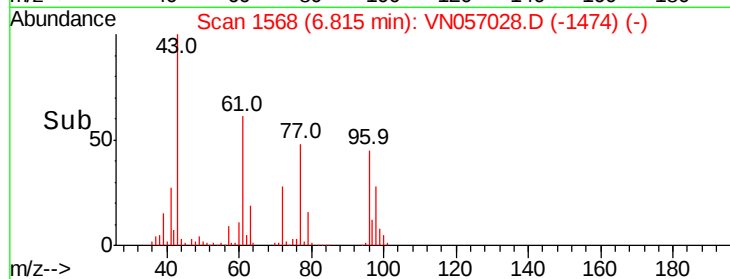
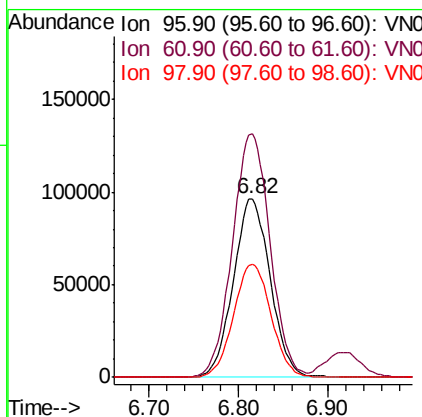
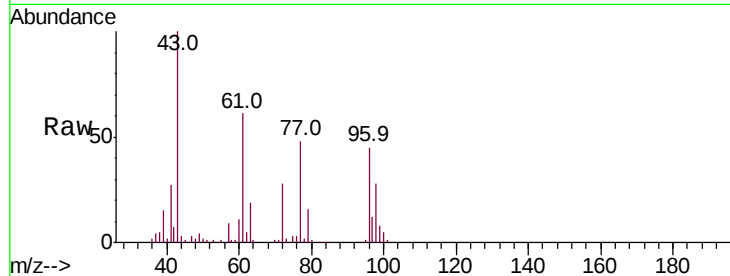
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	277449		
61	139.1	0.0	277.2	
98	64.4	0.0	128.4	

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#28

Bromochloromethane

Concen: 44.382 ug/l

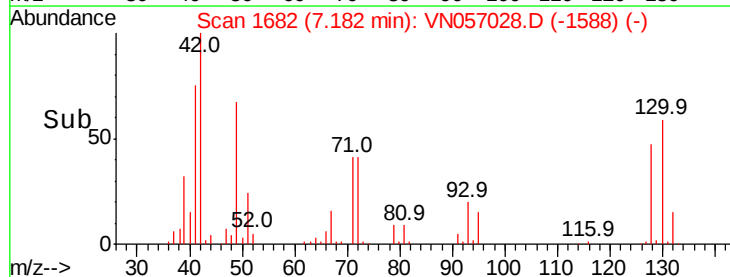
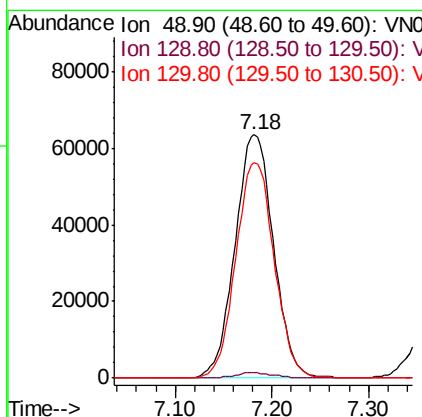
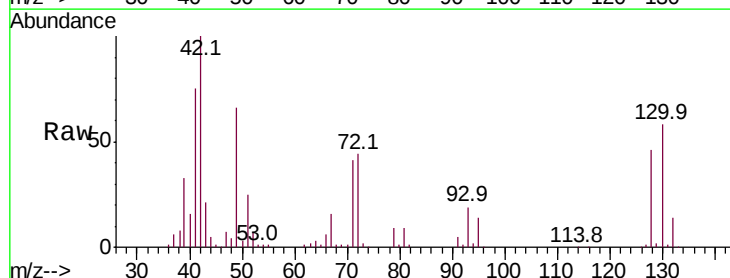
RT: 7.18 min Scan# 1682

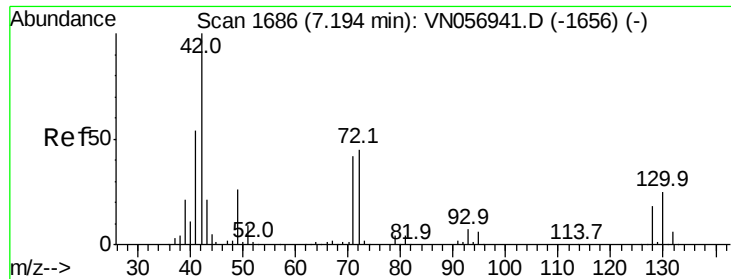
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	175761		
129	2.2	0.0	4.6	
130	88.6	69.0	103.4	





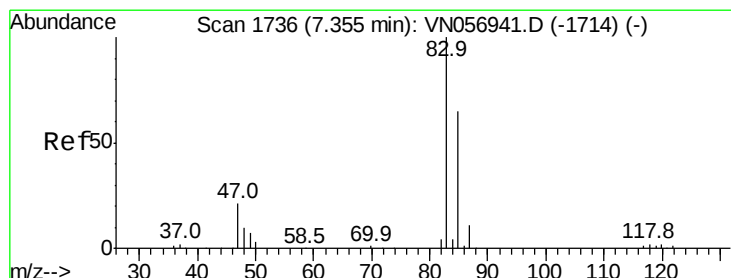
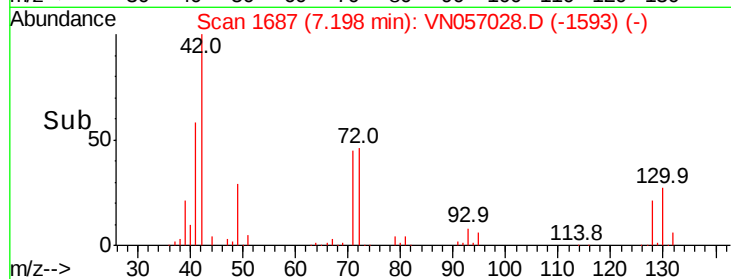
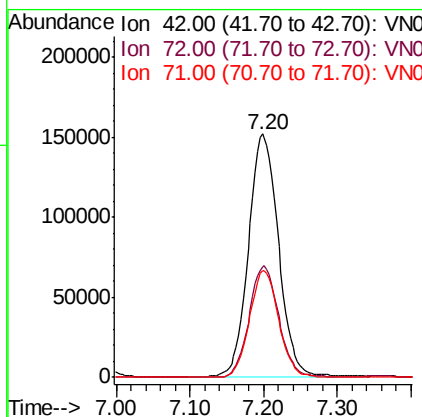
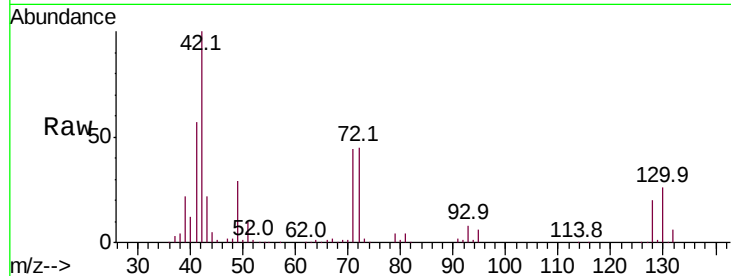
#29
Tetrahydrofuran
Concen: 259.118 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.6	53.4
71	42.7	33.5	50.3

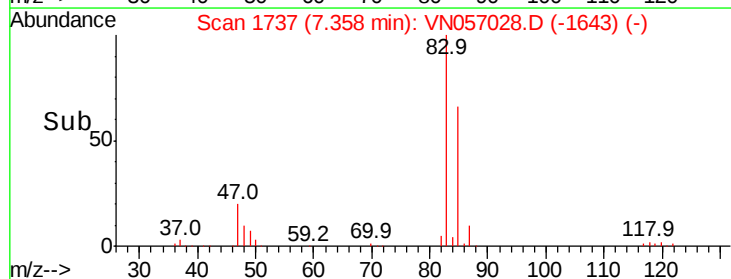
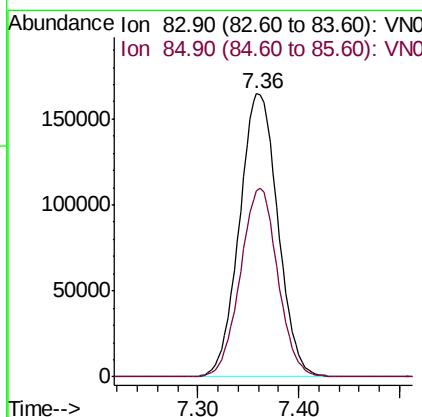
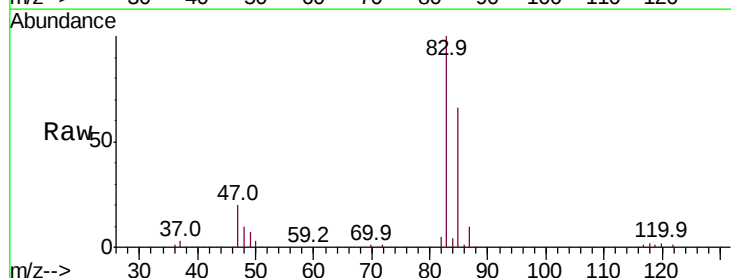
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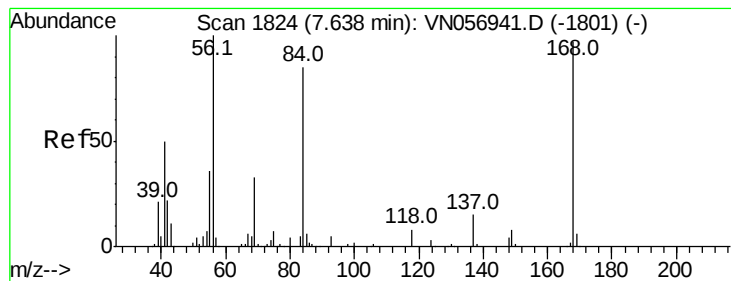
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#30
Chloroform
Concen: 50.486 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.2





#31

Cyclohexane

Concen: 47.231 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 385070

Ion Ratio Lower Upper

56 100

69 34.2 26.2 39.2

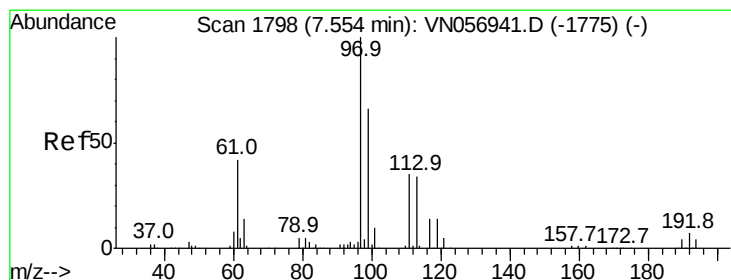
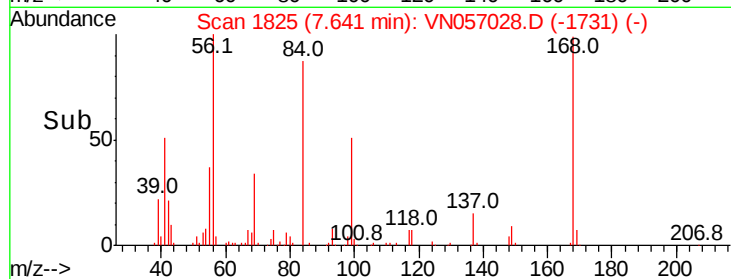
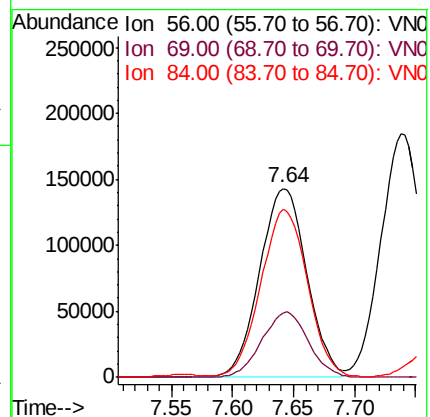
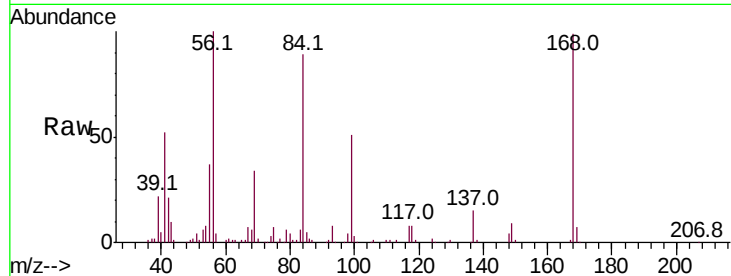
84 87.7 68.2 102.2

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#32

1,1,1-Trichloroethane

Concen: 53.329 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

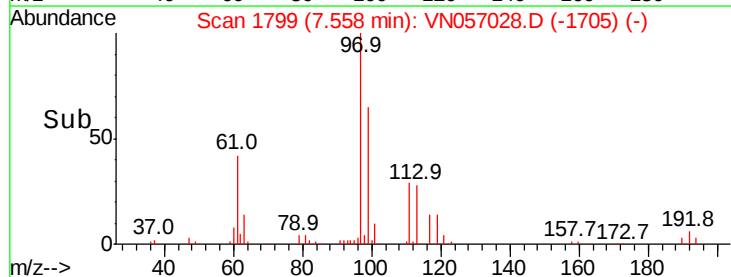
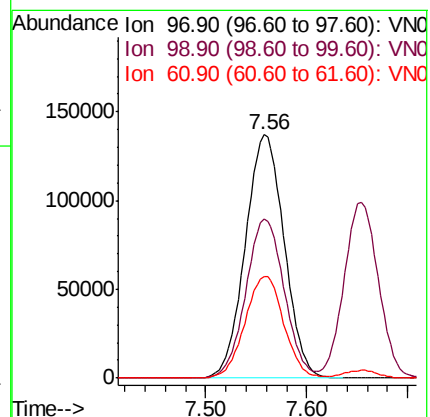
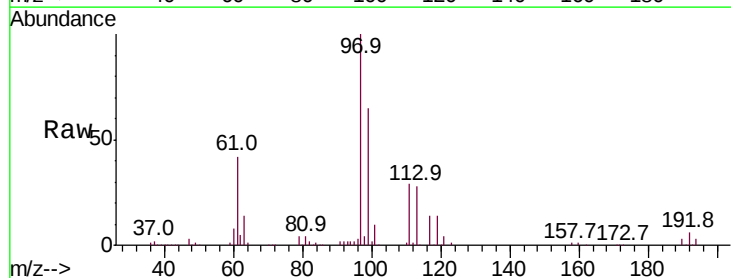
Tgt Ion: 97 Resp: 366543

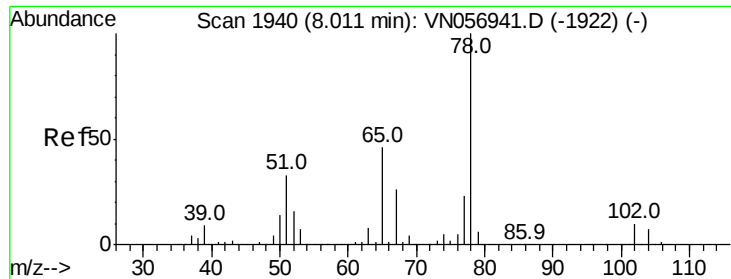
Ion Ratio Lower Upper

97 100

99 64.6 52.3 78.5

61 41.7 33.9 50.9





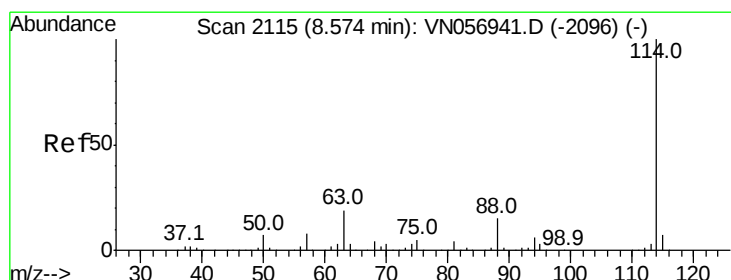
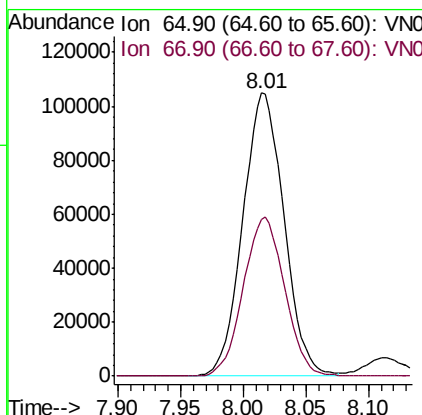
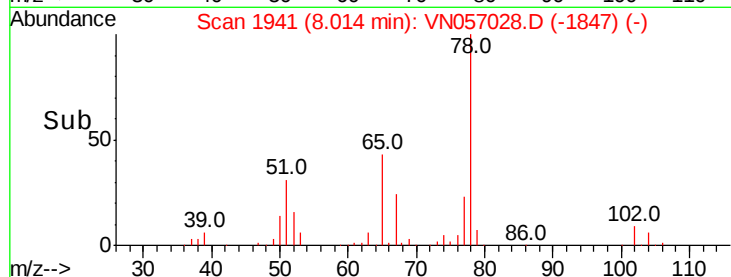
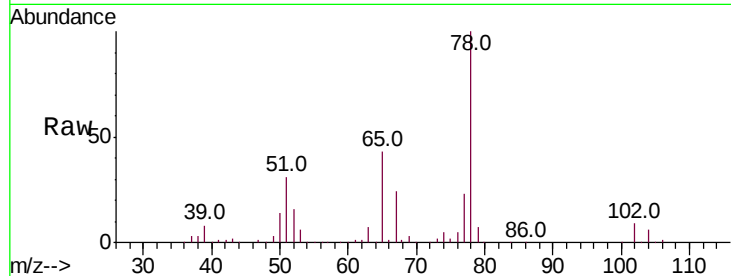
#33
 1,2-Dichloroethane-d4
 Concen: 48.395 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240127		
67	56.3	0.0	112.0	

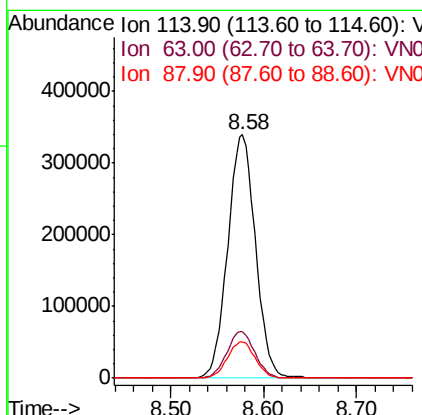
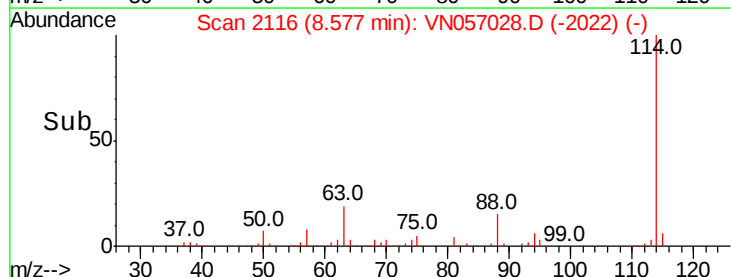
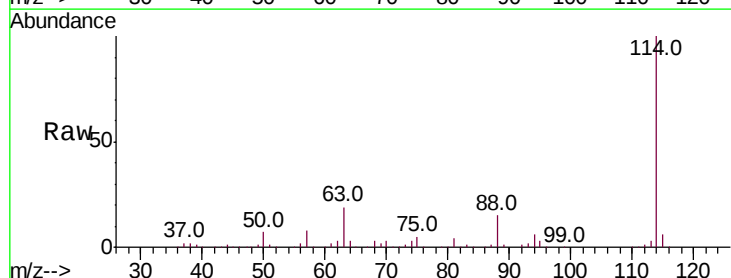
Manual Integrations
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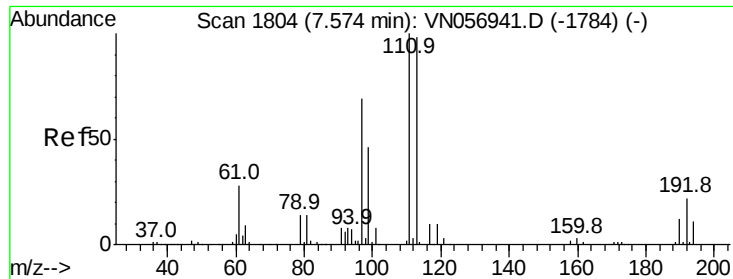
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 8/2/2019 11:17:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	704608		
63	18.8	0.0	38.0	
88	15.0	0.0	30.0	





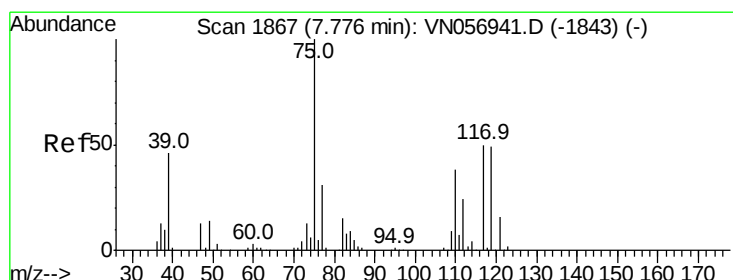
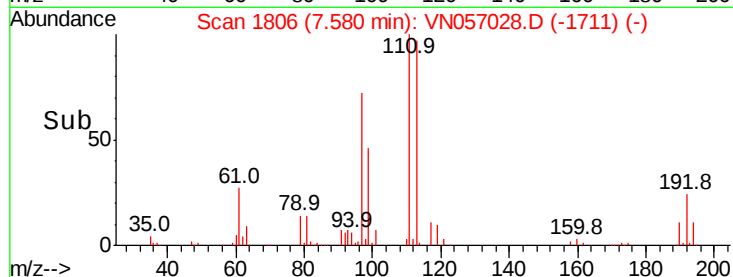
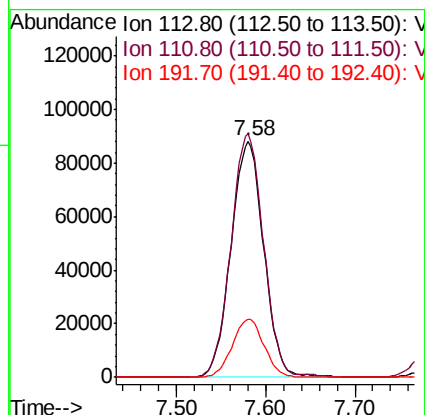
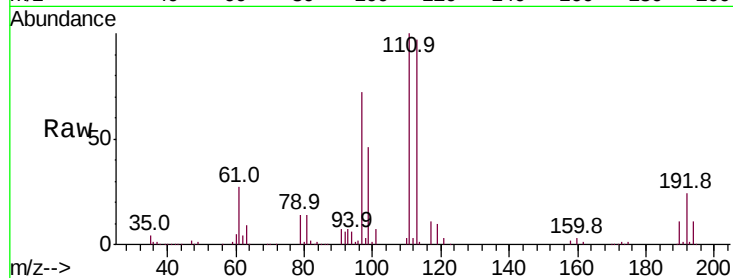
#35
 Dibromofluoromethane
 Concen: 49.614 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	82.0	123.0	
192	23.9	18.4	27.6	

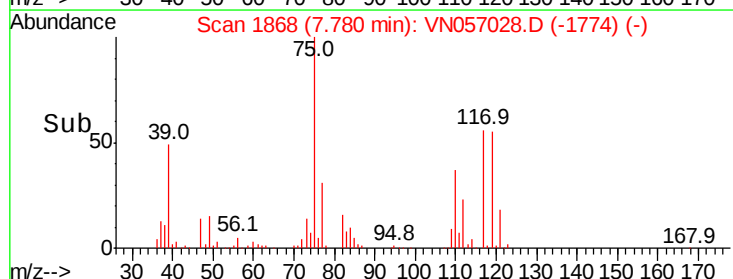
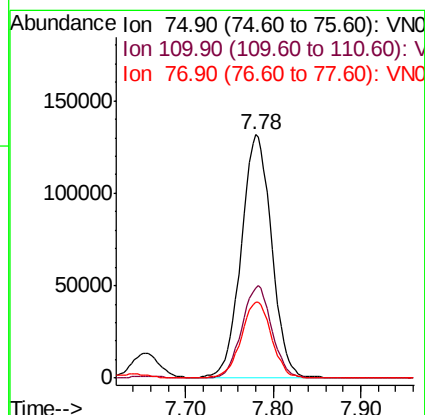
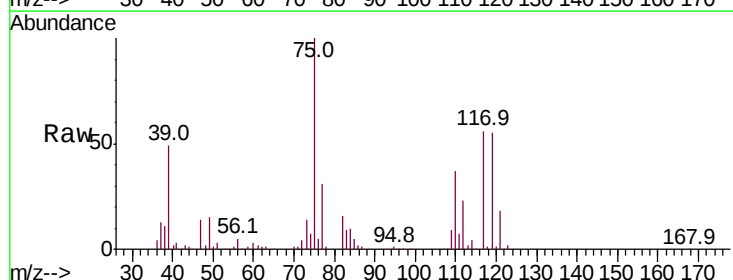
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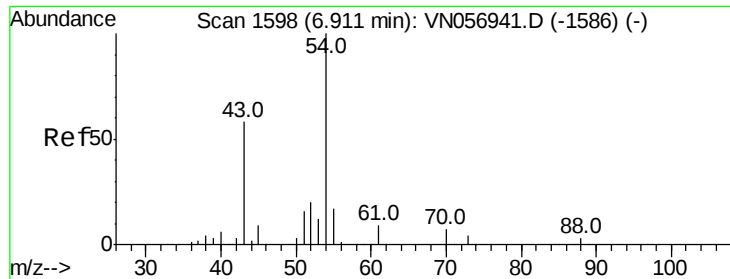
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#36
 1,1-Dichloropropene
 Concen: 51.033 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	18.6	55.8	
77	31.5	25.2	37.8	





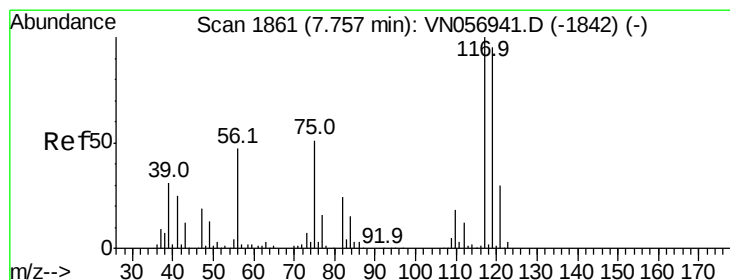
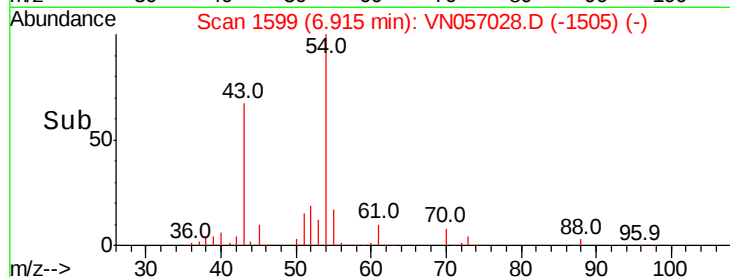
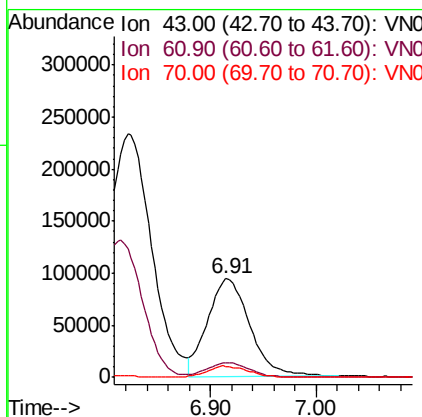
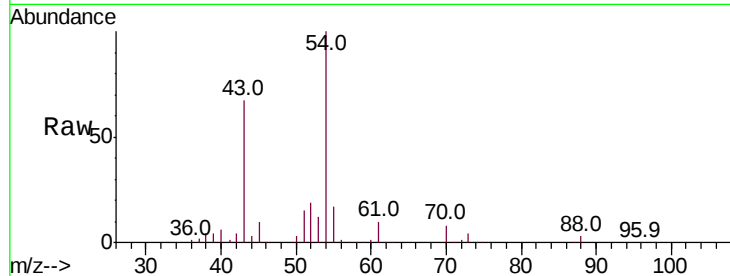
#37
Ethyl Acetate
Concen: 52.967 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	11.4	8.5	12.7

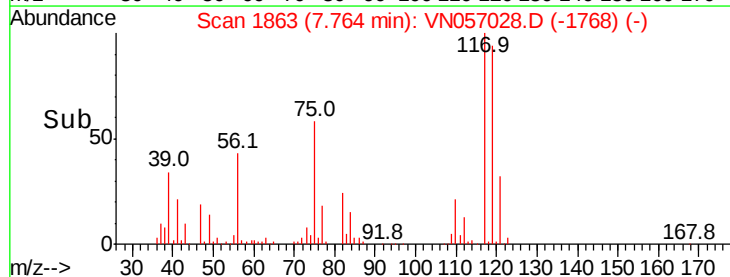
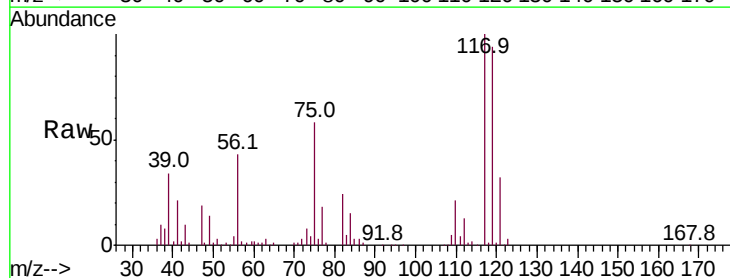
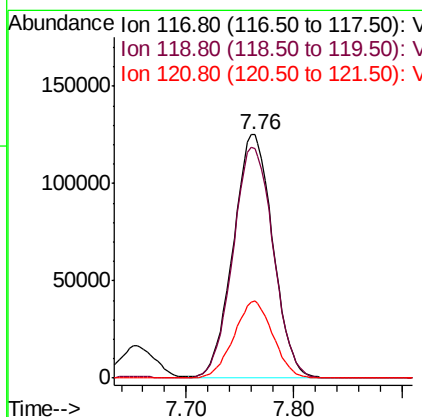
Manual Integrations
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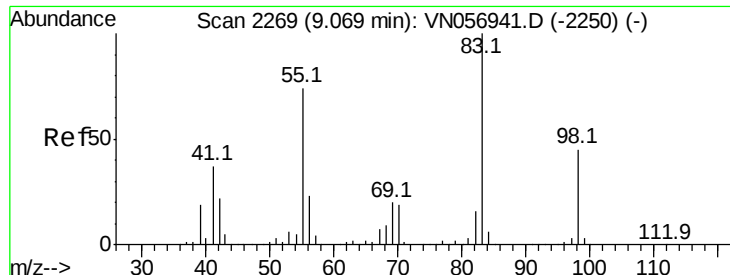
MMDadoda
8/2/2019 11:17:54 AM



#38
Carbon Tetrachloride
Concen: 54.674 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.3	112.9
121	31.8	24.2	36.4





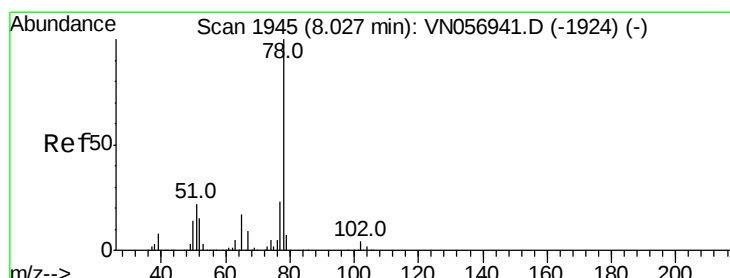
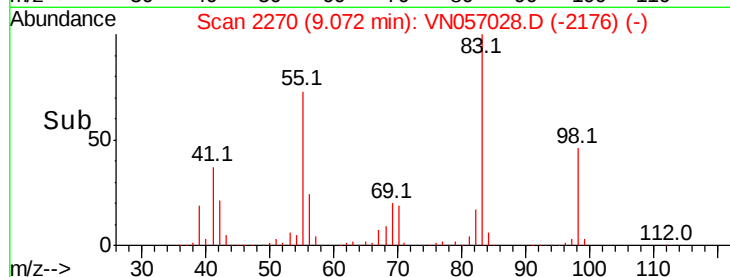
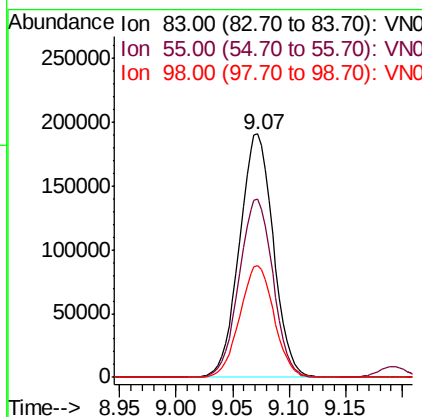
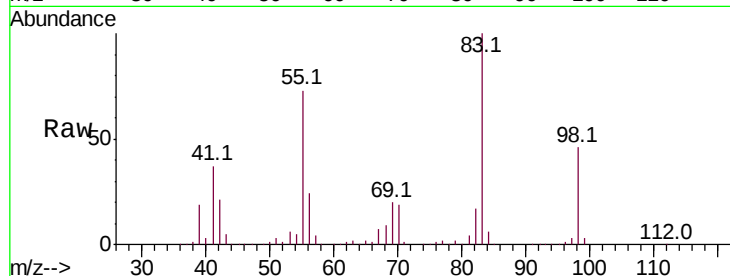
#39
Methvlcvclohexane
Concen: 50.296 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.1	59.0	88.6	
98	45.9	36.2	54.4	

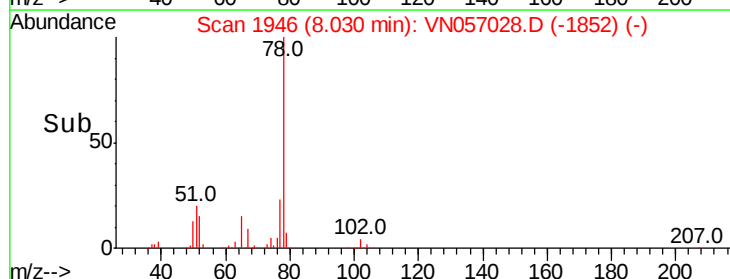
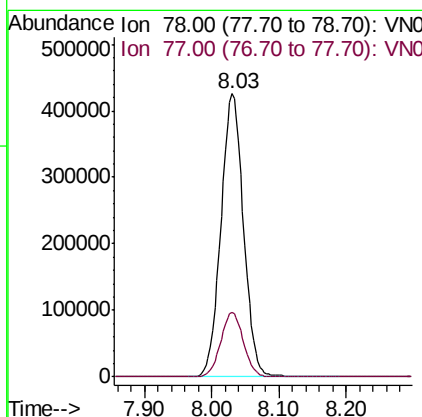
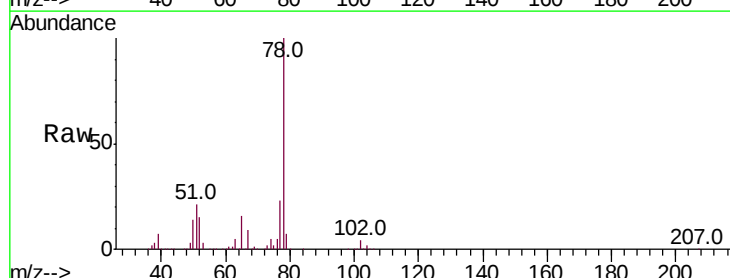
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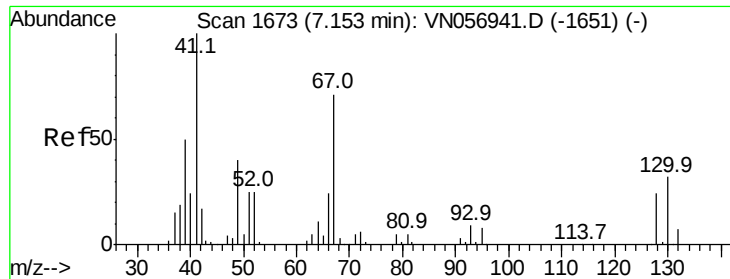
MMDadoda
8/2/2019 11:17:54 AM



#40
Benzene
Concen: 52.268 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	18.3	27.5	





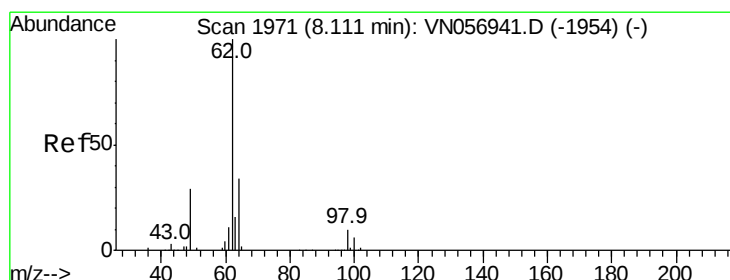
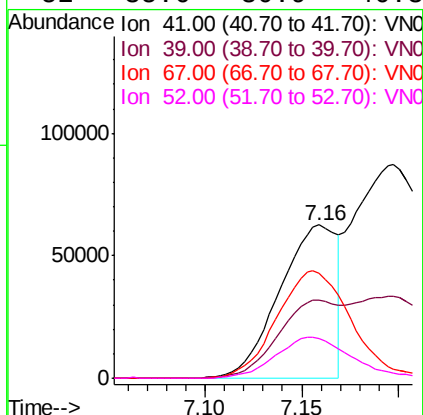
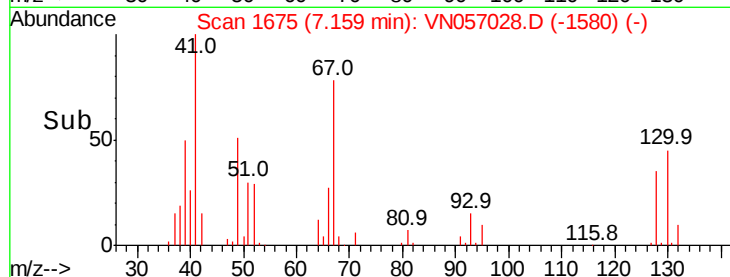
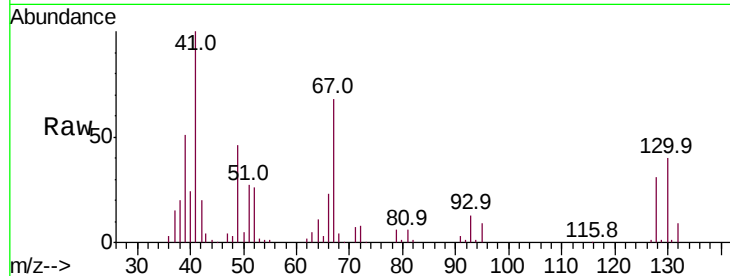
#41
Methacrylonitrile
Concen: 56.246 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	129118
Ion Ratio	100	Lower	Upper
41	100		
39	51.8	48.9	73.3
67	91.4	83.4	125.0
52	35.6	30.9	46.3

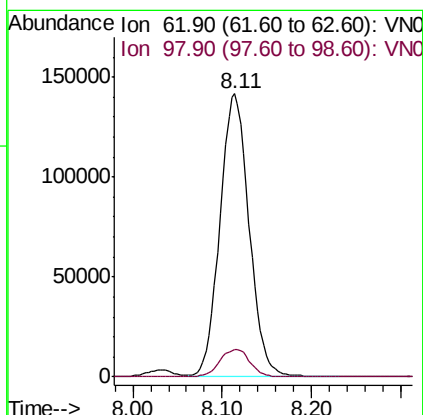
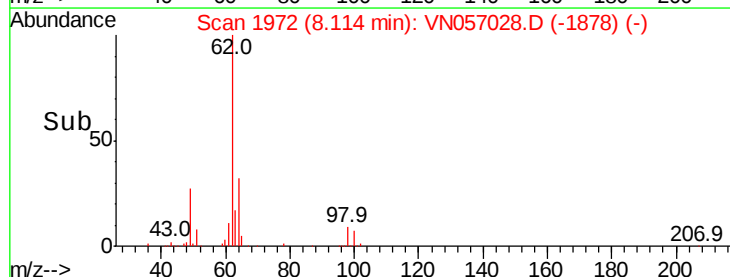
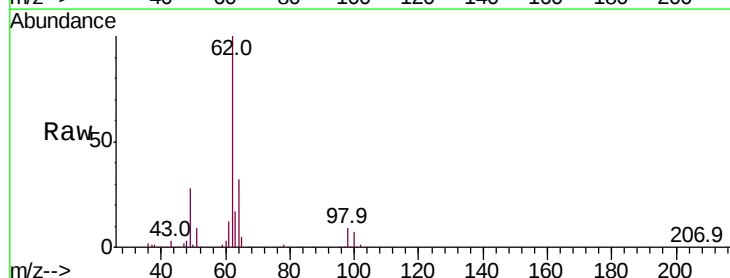
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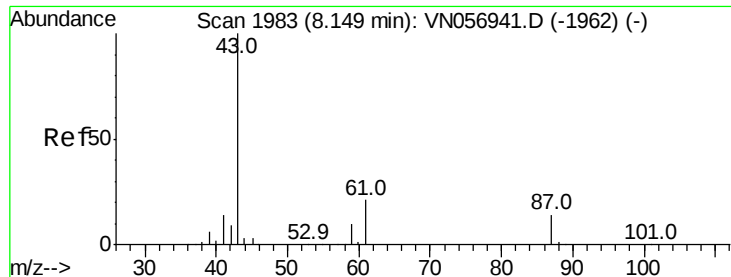
MMDadoda
8/2/2019 11:17:54 AM



#42
1,2-Dichloroethane
Concen: 53.420 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	62	Resp	319720
Ion Ratio	100	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 52.743 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

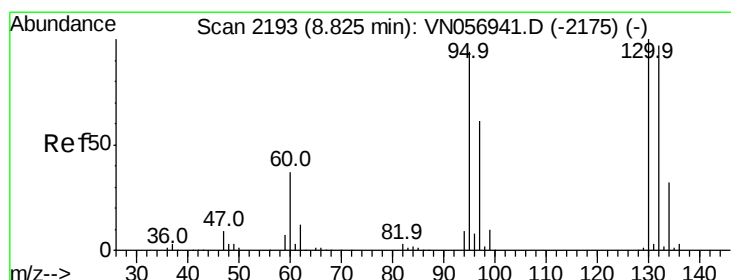
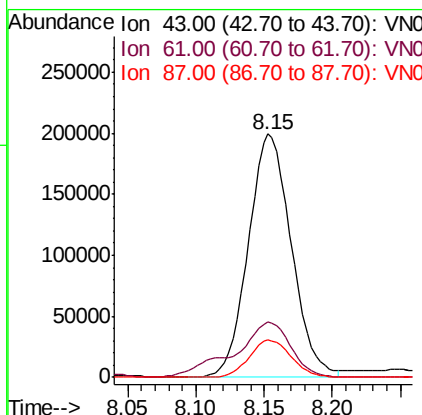
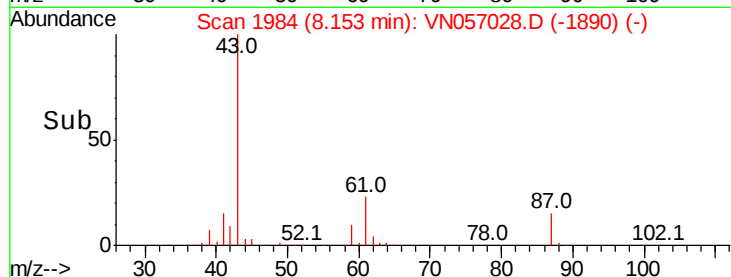
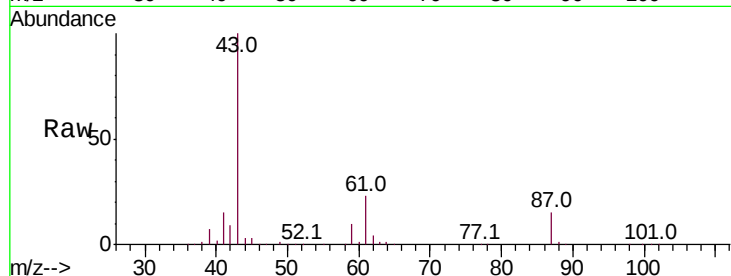
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	432885
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.0	34.6
87	15.2	11.7	17.5

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8/2/2019 11:17:54 AM



#44

Trichloroethene

Concen: 53.103 ug/l

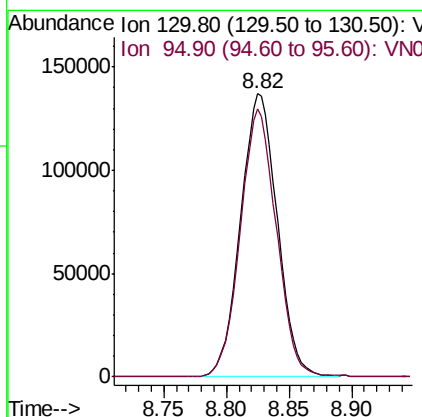
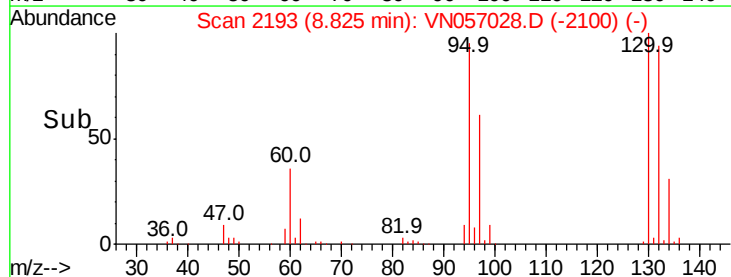
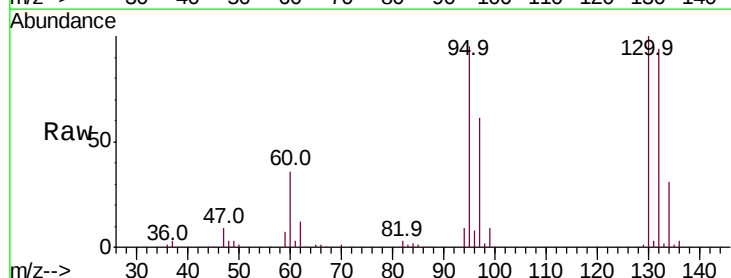
RT: 8.82 min Scan# 2193

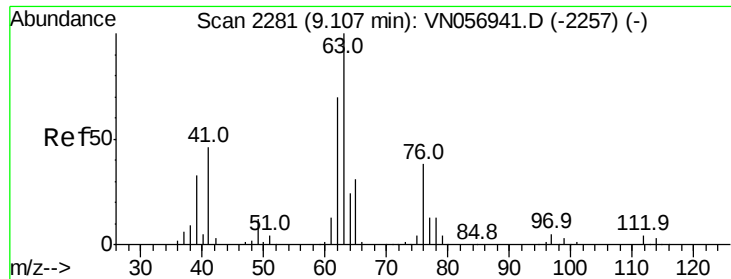
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:	130	Resp:	279376
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	189.0





#45

1,2-Dichloropropane

Concen: 52.587 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 268607

Ion Ratio Lower Upper

63 100

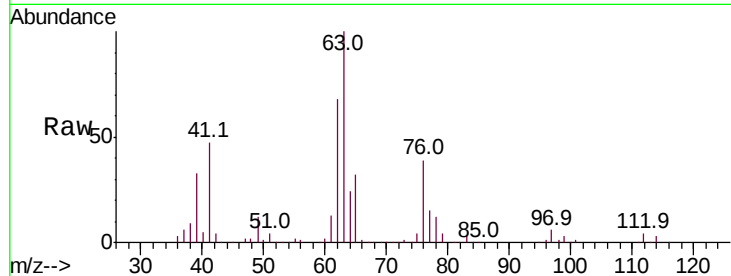
65 31.6 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

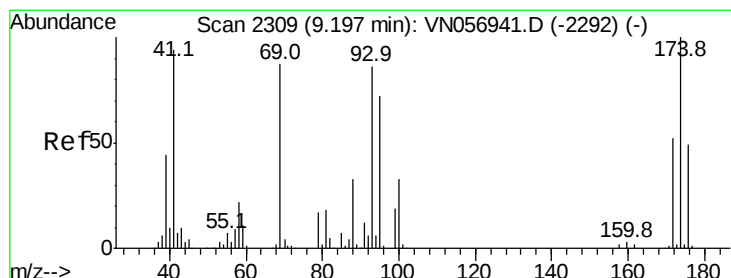
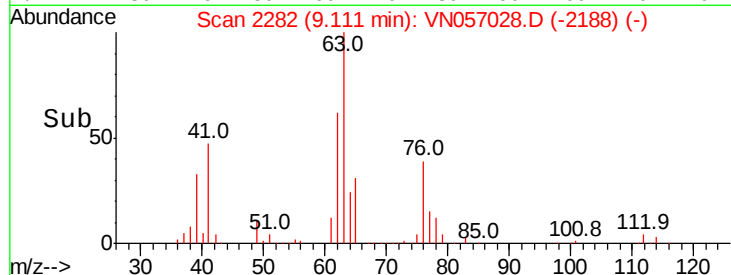
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 54.625 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

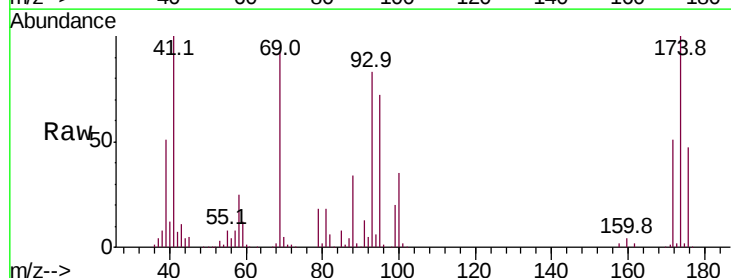
Tgt Ion: 93 Resp: 168267

Ion Ratio Lower Upper

93 100

95 84.6 67.0 100.6

174 119.3 92.7 139.1



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

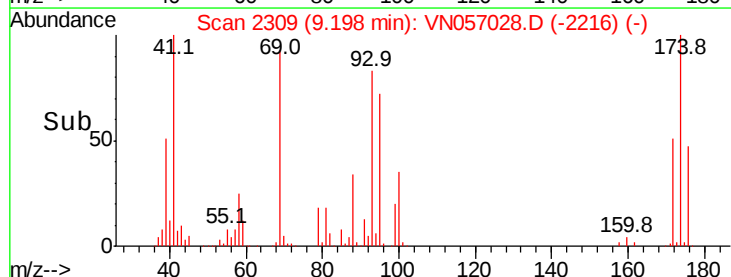
100000

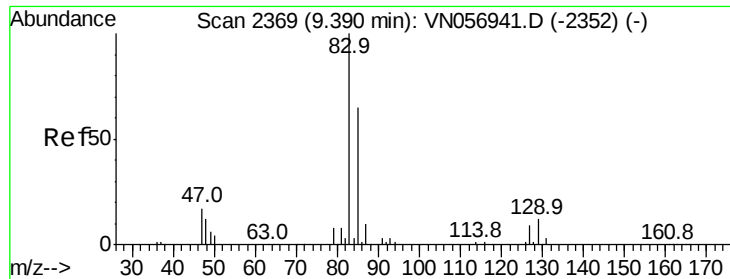
50000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 55.500 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

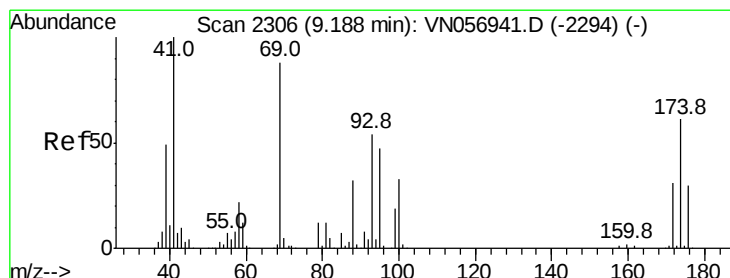
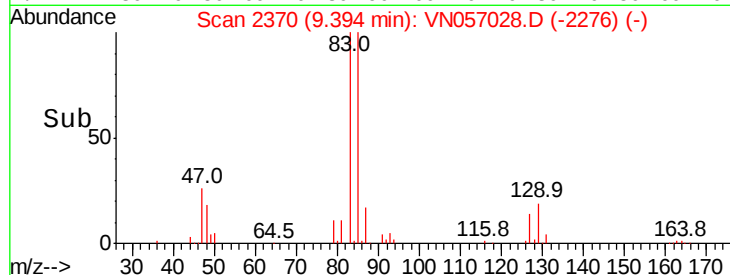
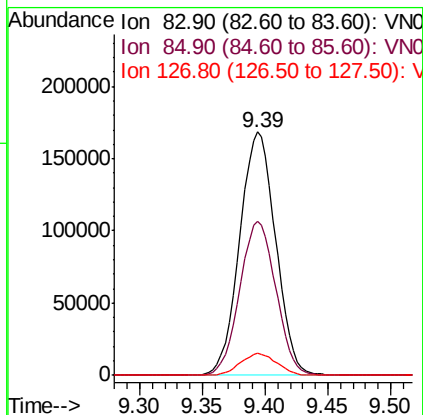
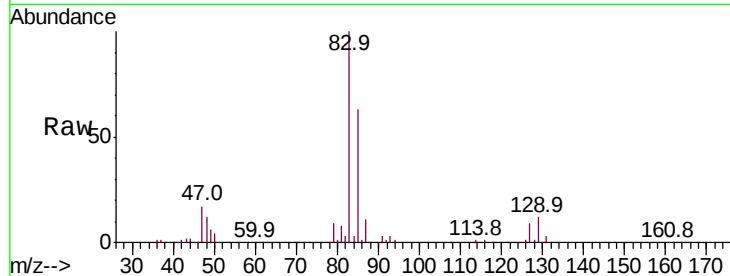
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	336131
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.6	77.4
127	8.9	7.3	10.9

Manual Integrations
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8/2/2019 11:17:54 AM



#48

Methyl methacrylate

Concen: 54.171 ug/l

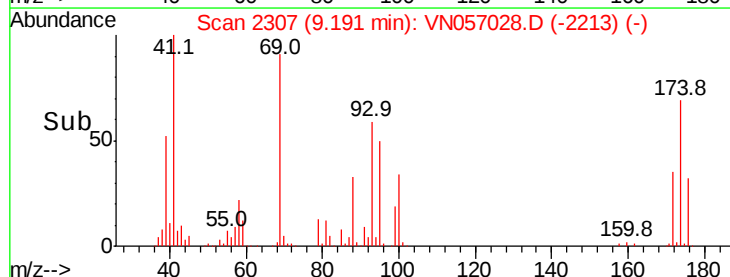
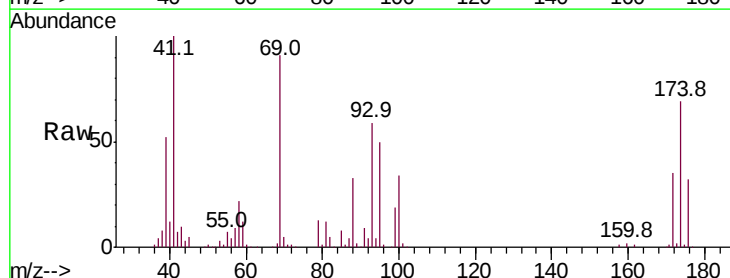
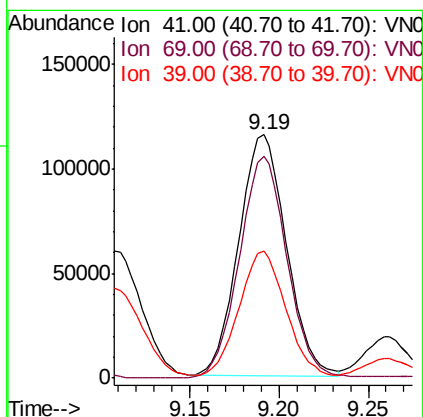
RT: 9.19 min Scan# 2307

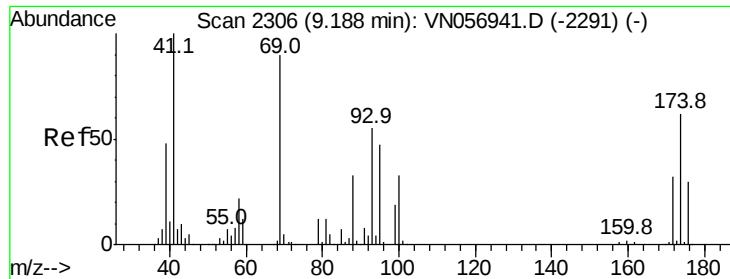
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:	41	Resp:	214655
Ion Ratio	Lower	Upper	
41	100		
69	92.9	73.4	110.0
39	52.5	39.9	59.9





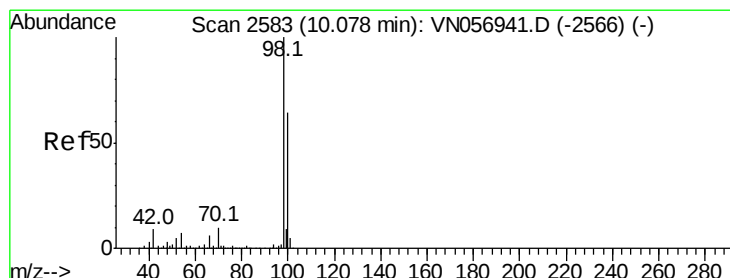
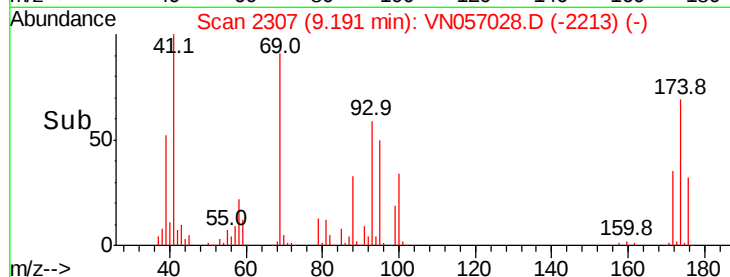
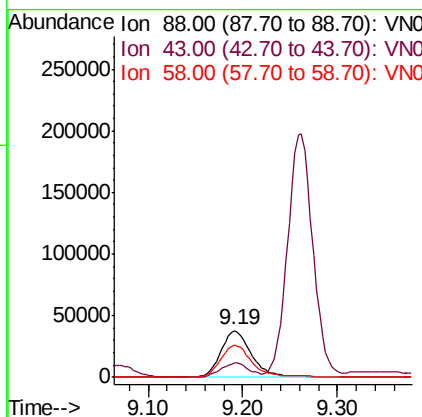
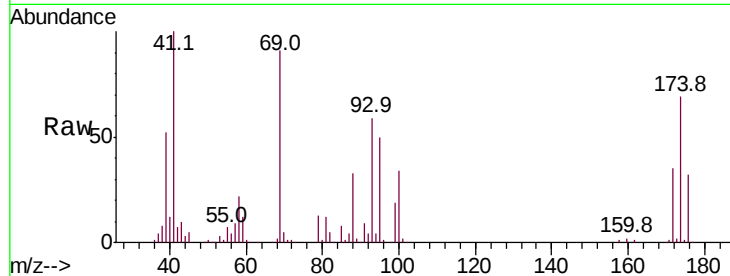
#49
1,4-Dioxane
Concen: 1059.731 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	86537
Ion	Ratio	Lower	Upper
88	100		
43	26.8	22.2	33.2
58	67.8	54.1	81.1

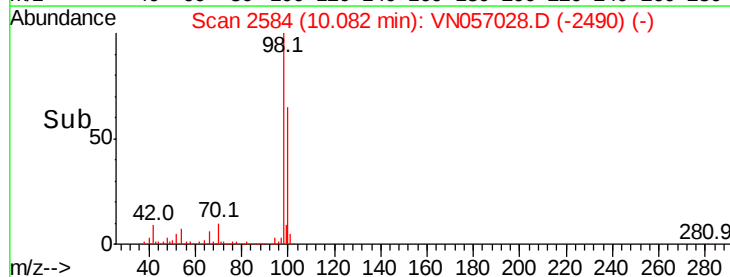
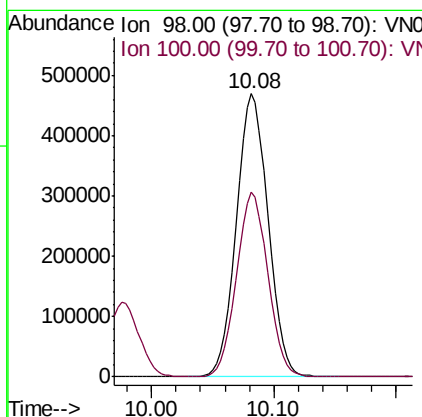
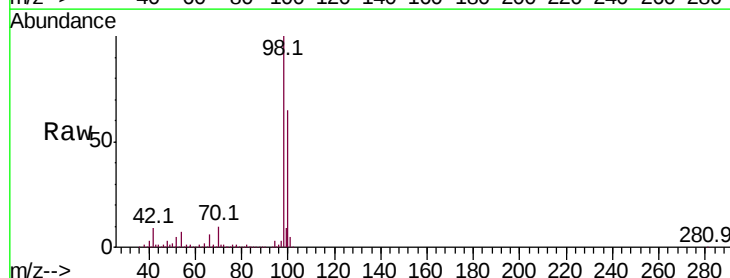
Manual Integrations
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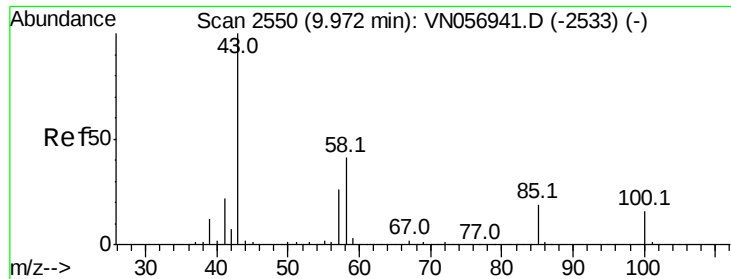
MMDadoda
8/2/2019 11:17:54 AM



#50
Toluene-d8
Concen: 49.038 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	98	Resp	843519
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 272.253 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tot Ion: 43 Resp: 1327661

Ion Ratio Lower Upper

43 100

58 41.2 33.1 49.7

Instrument :

MSVOA_N

ClientSampled :

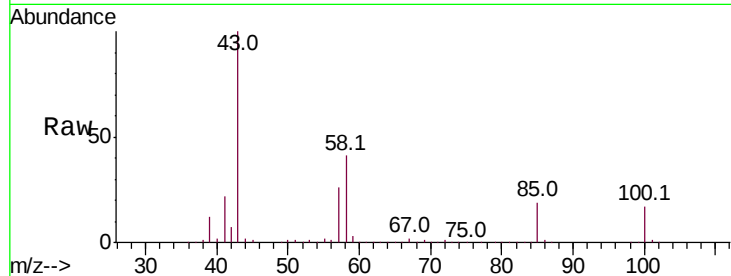
VSTDCCC050

Manual Integrations

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MMDadoda

8/2/2019 11:17:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

0

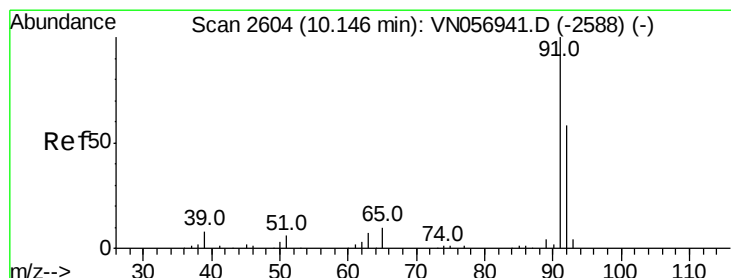
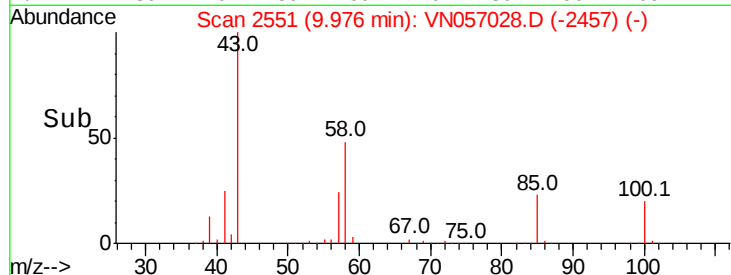
9.90

9.98

10.00

10.10

Time-->



#52

Toluene

Concen: 53.951 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057028.D

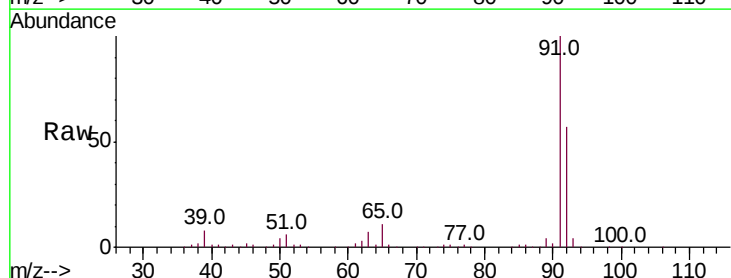
Acq: 1 Aug 2019 11:22

Tgt Ion: 92 Resp: 618995

Ion Ratio Lower Upper

92 100

91 173.2 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

400000

200000

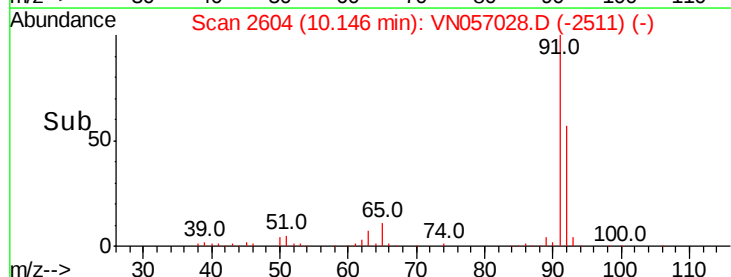
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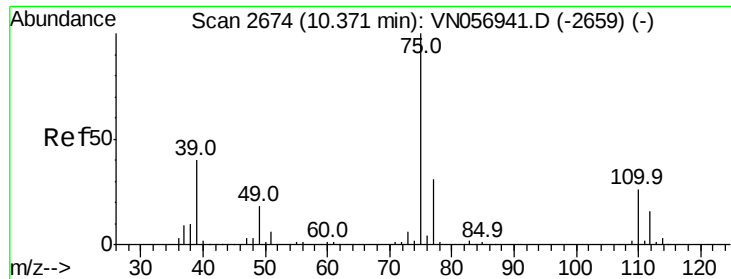
10.10

10.15

10.20

Time-->





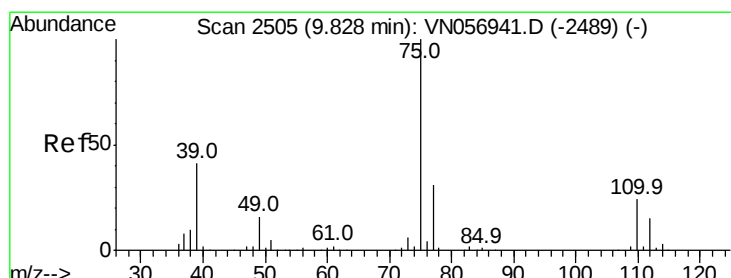
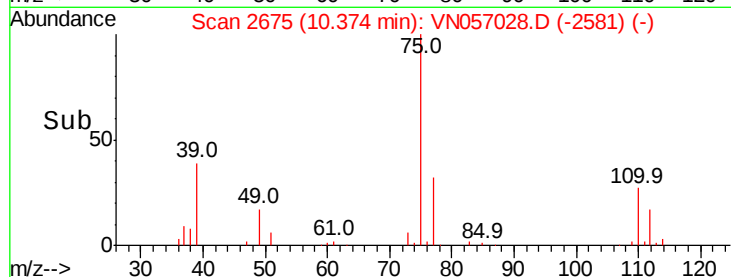
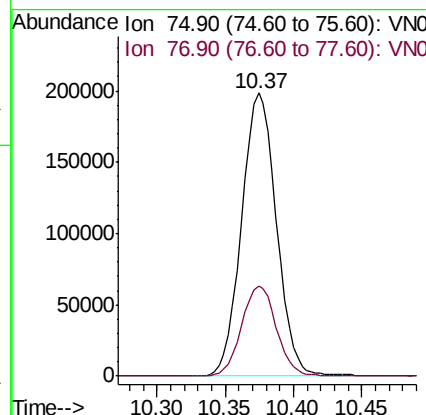
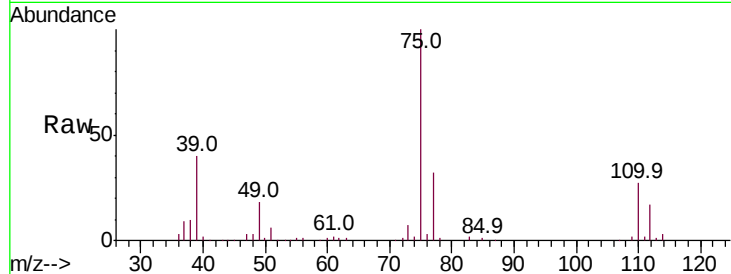
#53
 t-1,3-Dichloropropene
 Concen: 55.957 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 351681
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7

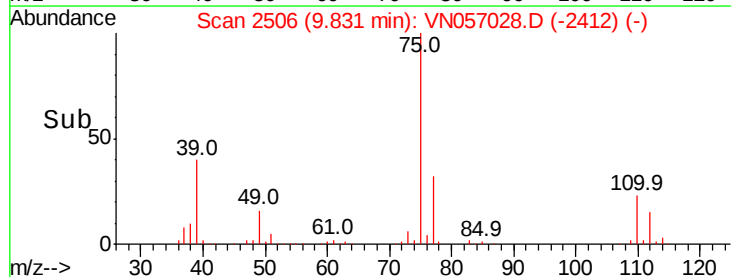
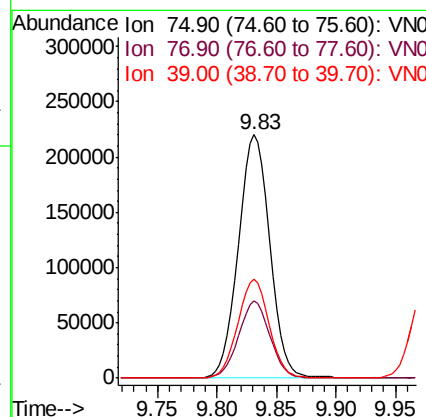
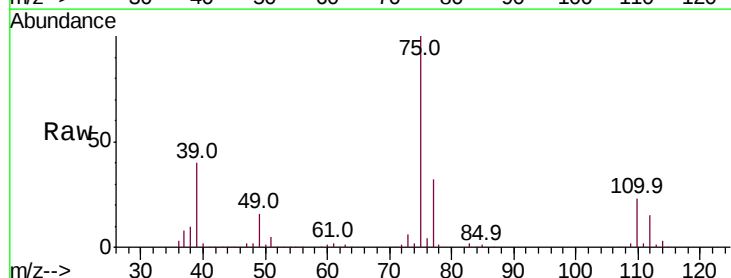
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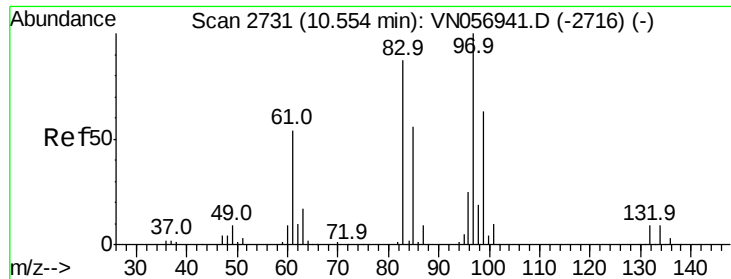
MMDadoda
 8/2/2019 11:17:54 AM



#54
 cis-1,3-Dichloropropene
 Concen: 55.295 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Tgt Ion: 75 Resp: 404065
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6
 39 40.4 32.6 49.0





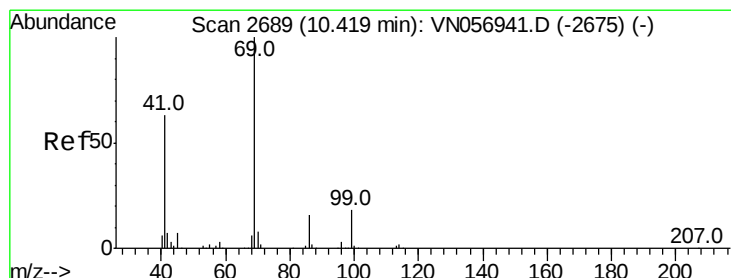
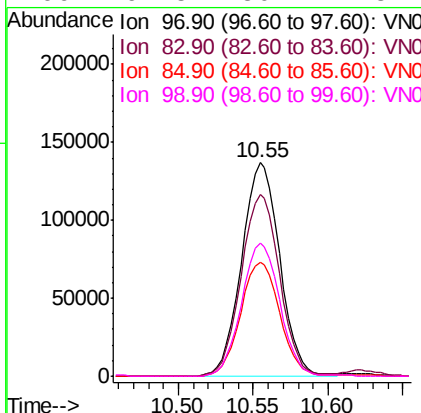
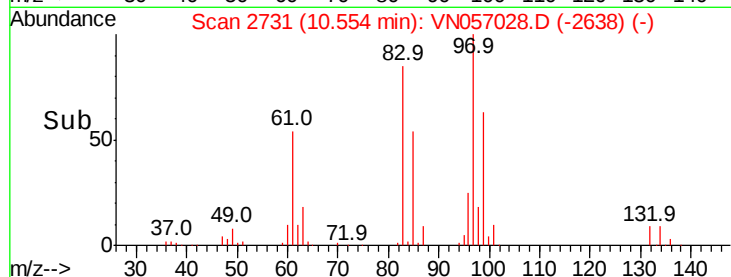
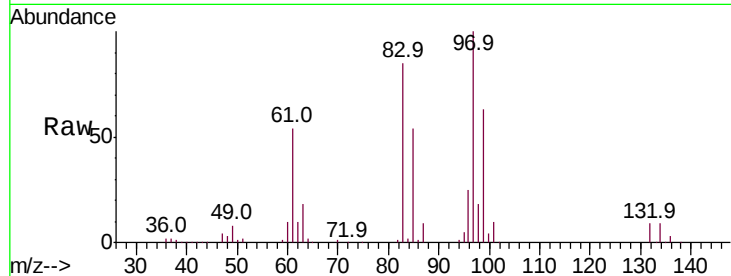
#55
 1,1,2-Trichloroethane
 Concen: 52.904 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		243422		
83	84.8	69.4	104.0		
85	53.5	44.7	67.1		
99	62.5	50.1	75.1		

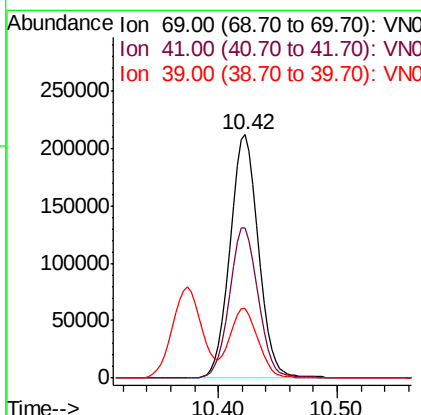
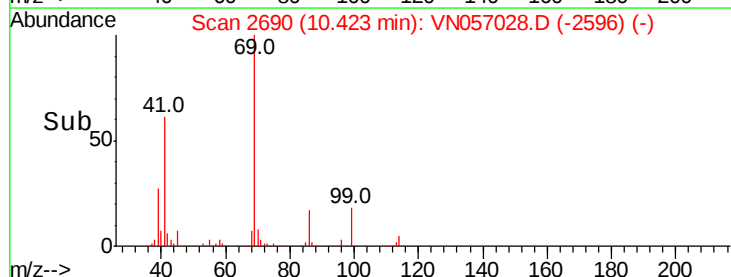
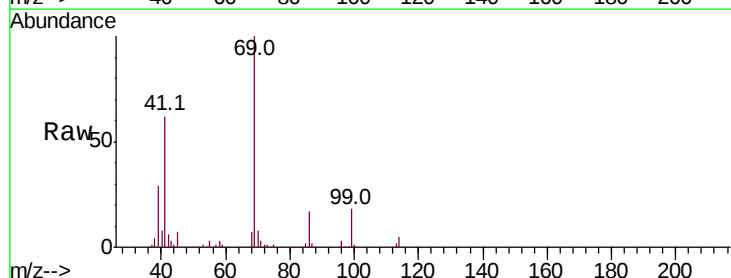
Manual Integrations
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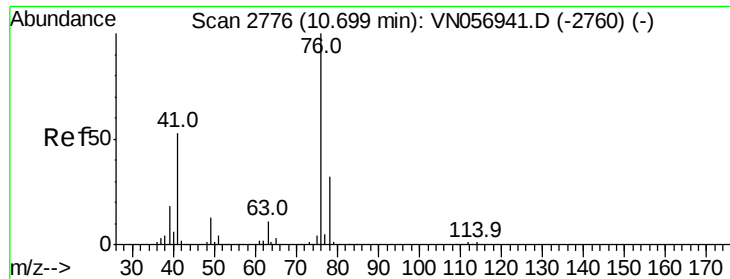
MMDadoda
 8/2/2019 11:17:54 AM



#56
 Ethyl methacrylate
 Concen: 50.674 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		352283		
41	61.8	49.2	73.8		
39	28.5	23.1	34.7		





#57

1,3-Dichloropropane

Concen: 53.147 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

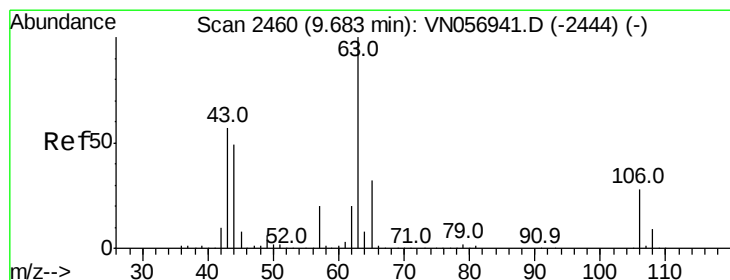
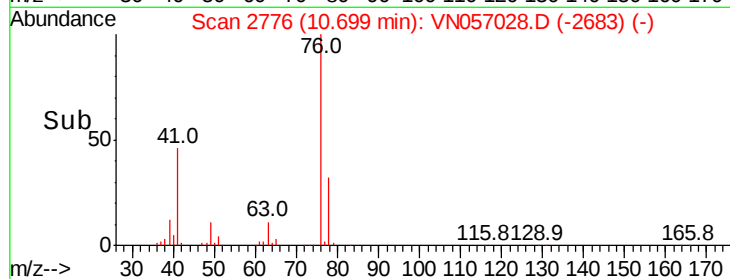
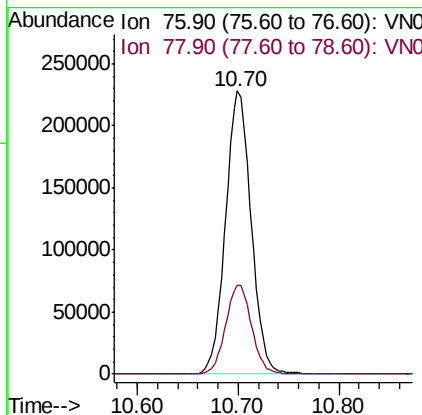
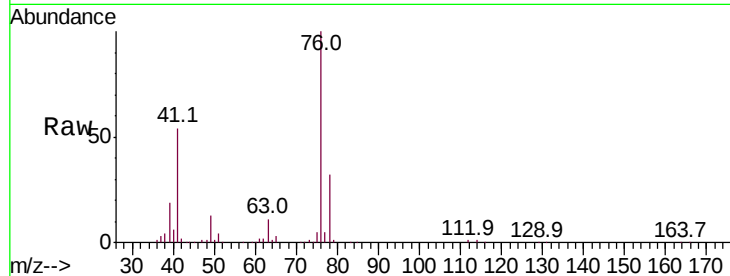
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 76 Resp: 405498

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

Manual Integrations
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8/2/2019 11:17:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 223.447 ug/l

RT: 9.69 min Scan# 2461

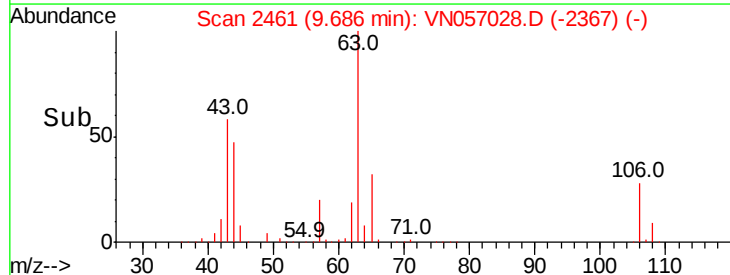
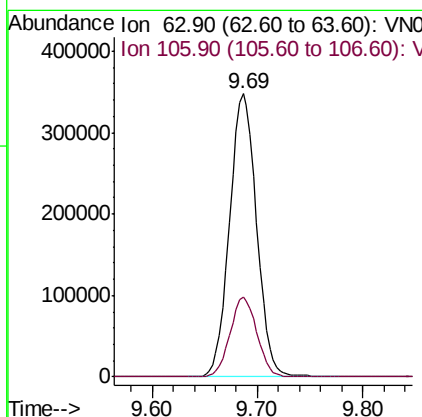
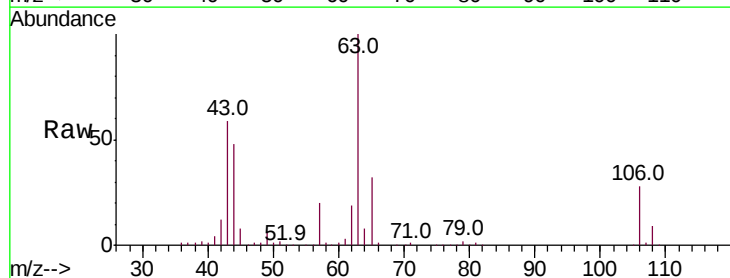
Delta R.T. 0.00 min

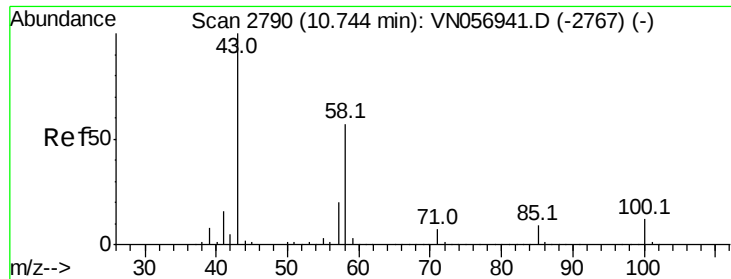
Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion: 63 Resp: 616100

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.0	33.0





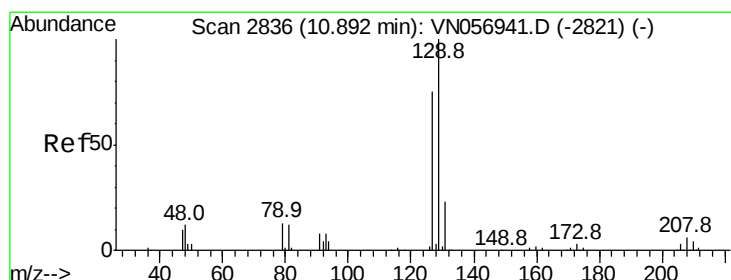
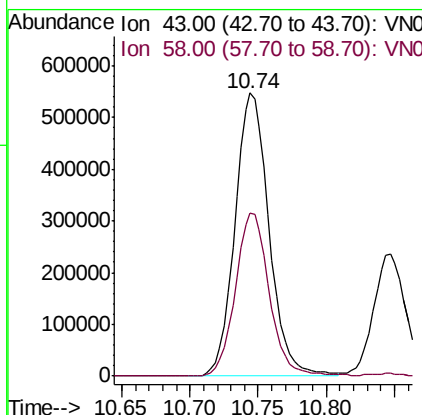
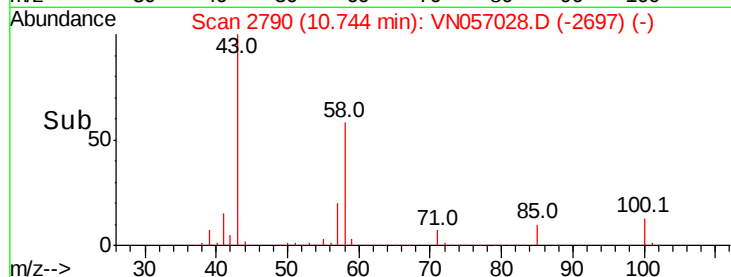
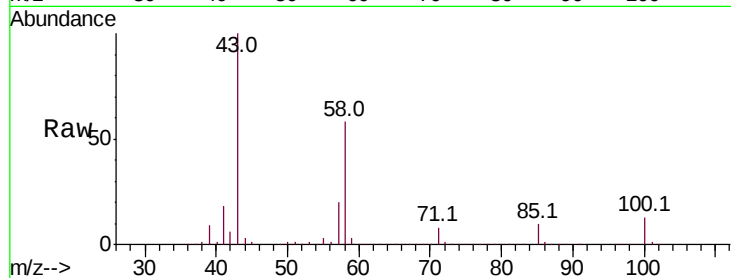
#59
2-Hexanone
Concen: 251.863 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 945923
Ion Ratio Lower Upper
43 100
58 57.6 28.5 85.5

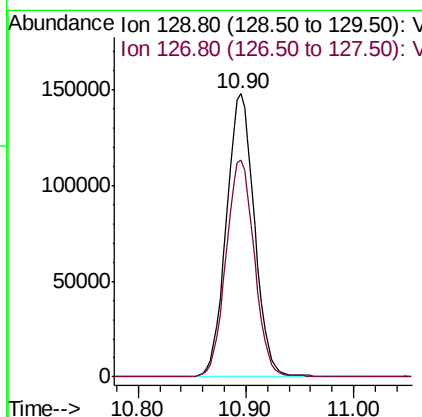
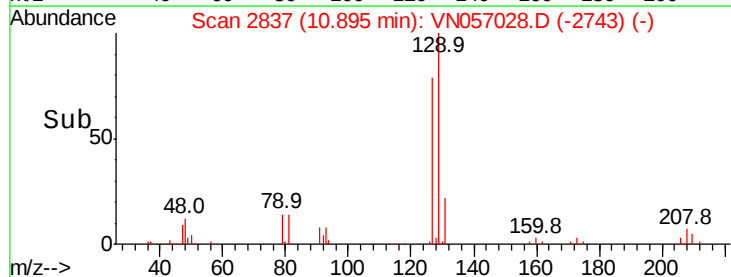
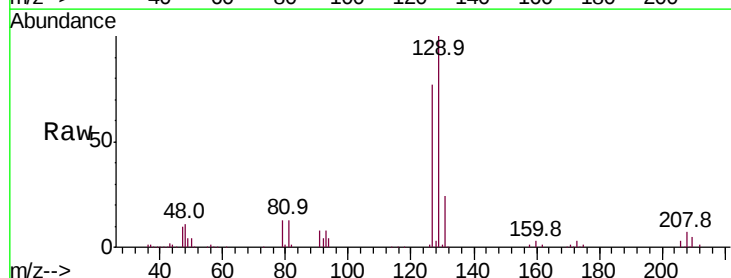
Manual Integrations
APPROVED

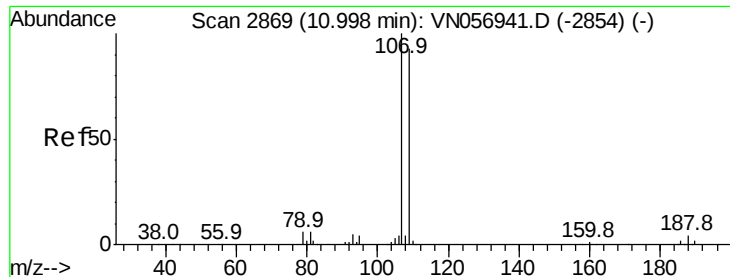
MMDadoda
8/2/2019 11:17:54 AM



#60
Dibromochloromethane
Concen: 56.937 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion: 129 Resp: 268399
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





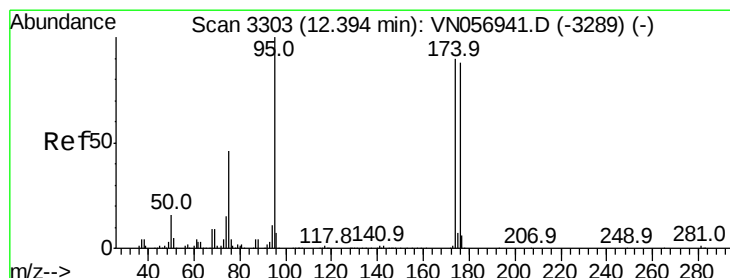
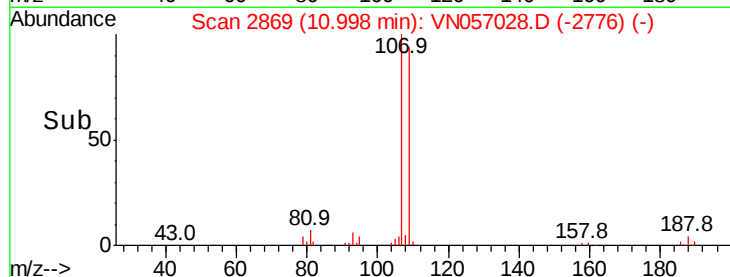
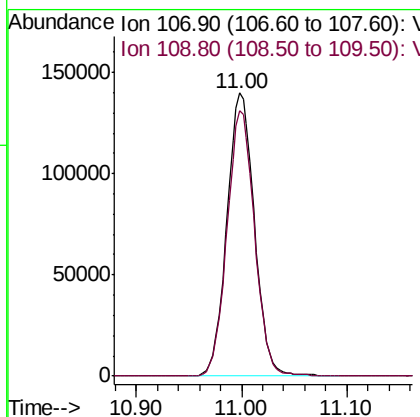
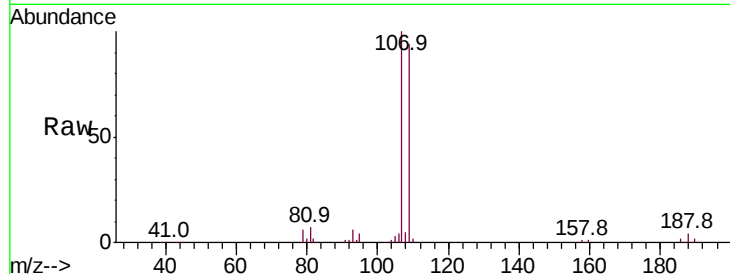
#61
1,2-Dibromoethane
Concen: 55.971 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	251323		
109	94.2	76.0	114.0	

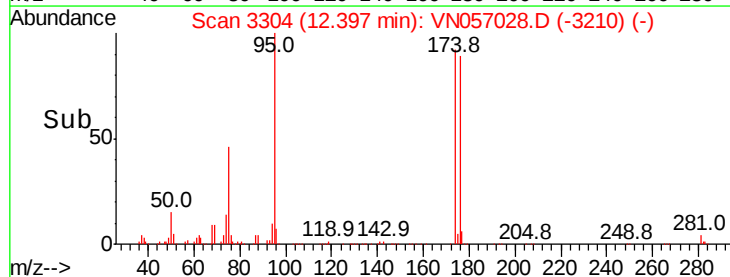
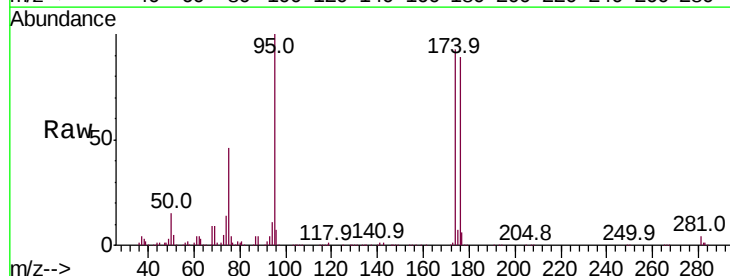
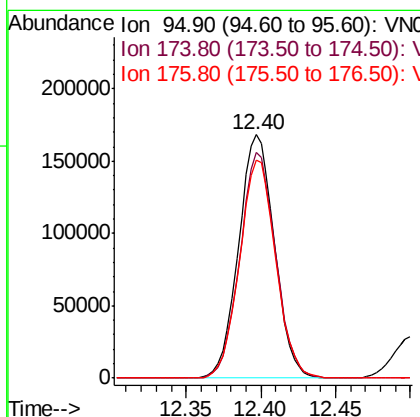
Manual Integrations
APPROVED

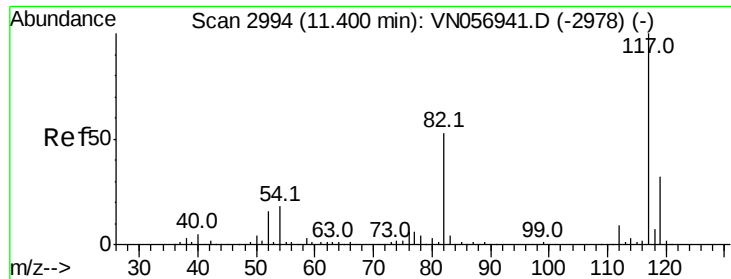
MMDadoda
8/2/2019 11:17:54 AM



#62
4-Bromofluorobenzene
Concen: 50.013 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	280064		
174	92.5	0.0	182.2	
176	90.3	0.0	179.4	





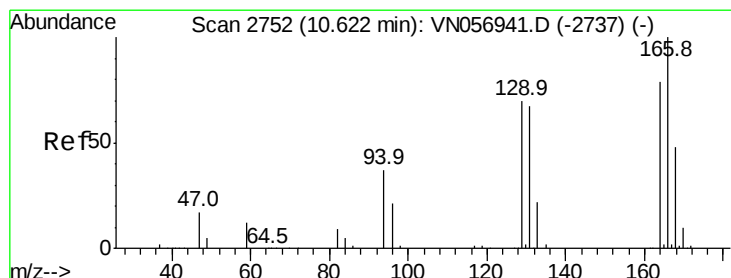
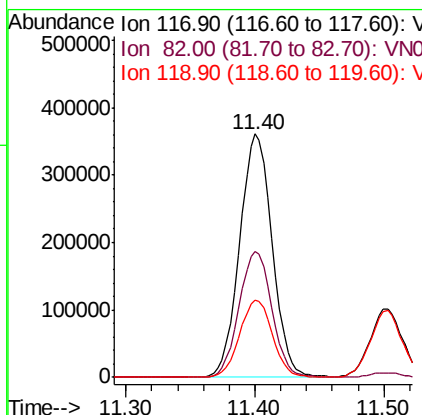
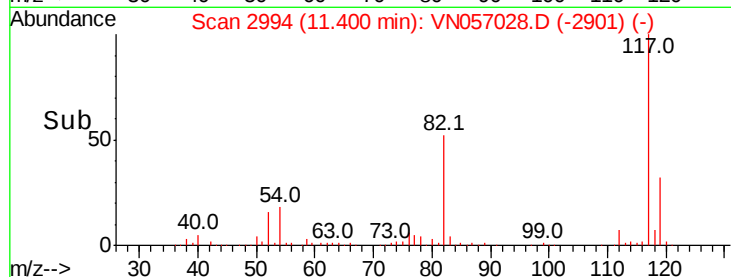
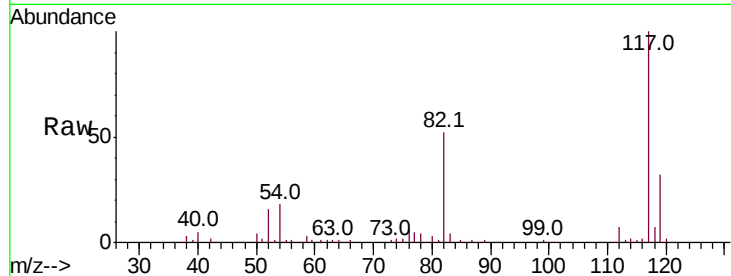
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.4
119	31.8	25.8	38.6

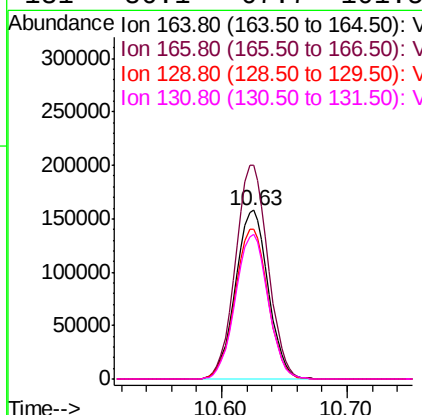
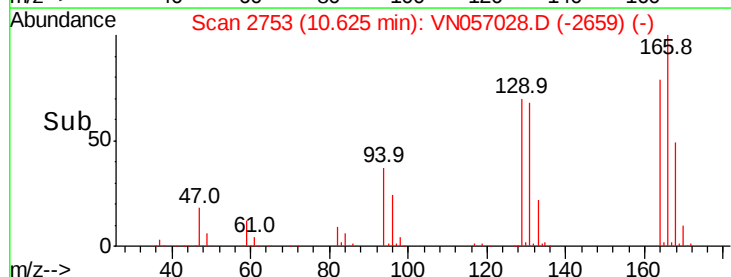
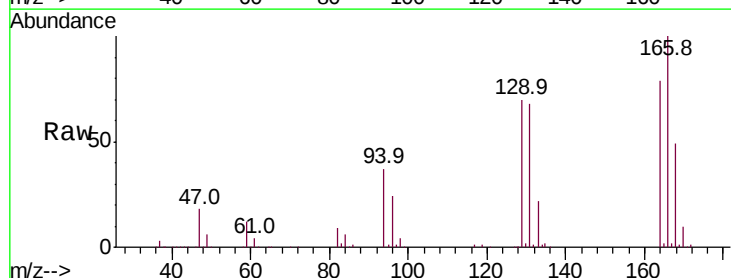
Manual Integrations
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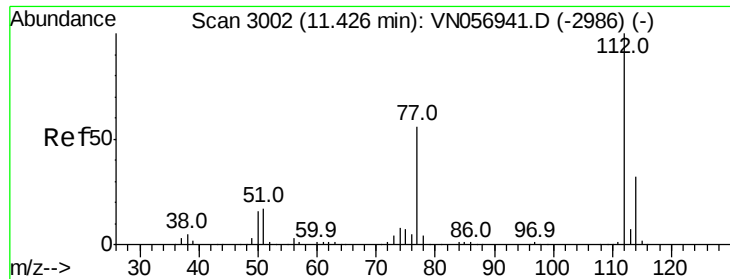
MMDadoda
8/2/2019 11:17:54 AM



#64
Tetrachloroethene
Concen: 52.344 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.1	151.7
129	88.9	70.9	106.3
131	86.1	67.7	101.5





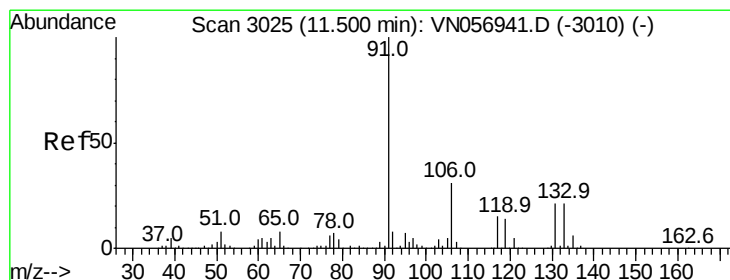
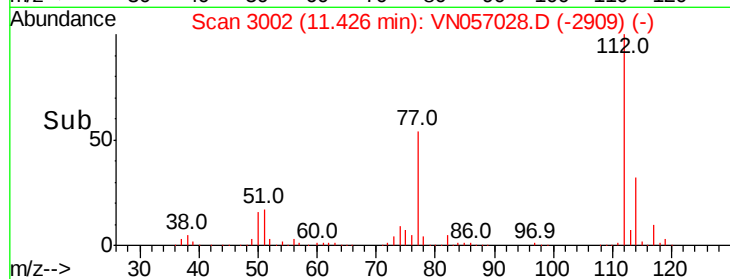
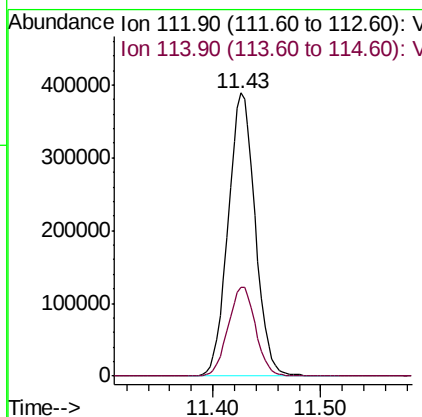
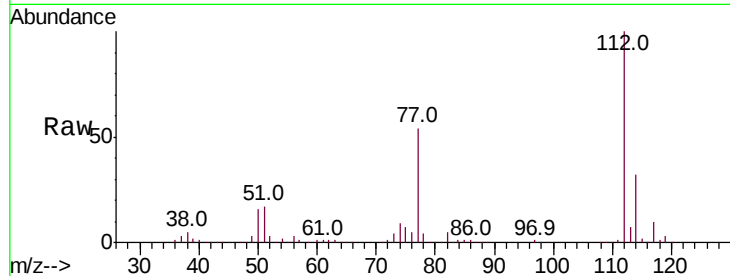
#65
Chlorobenzene
Concen: 52.454 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 678329
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0

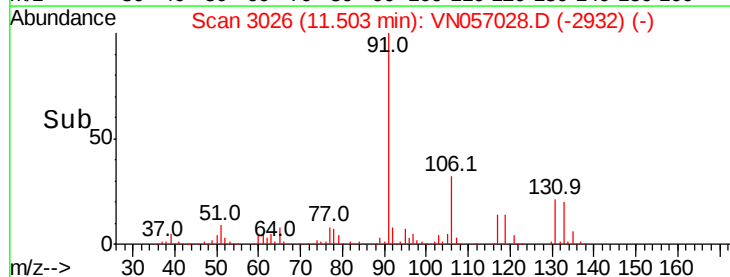
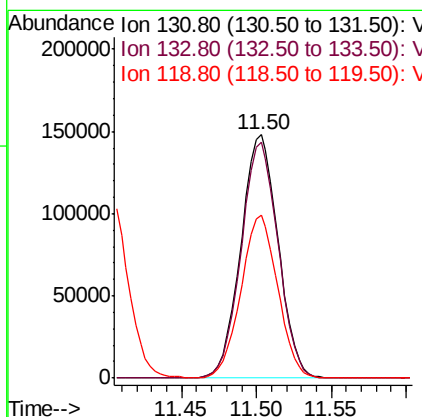
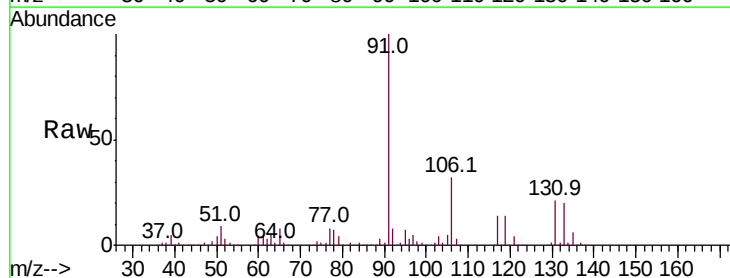
Manual Integrations
APPROVED

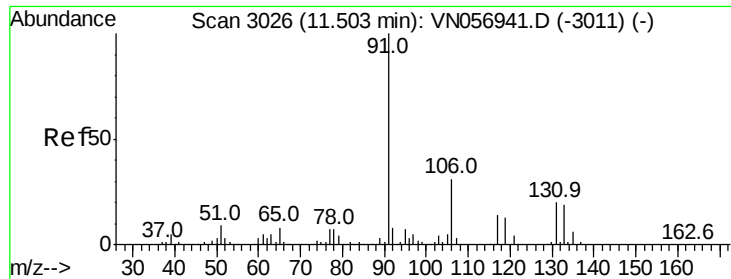
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.714 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion:131 Resp: 256579
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 66.0 33.2 99.6





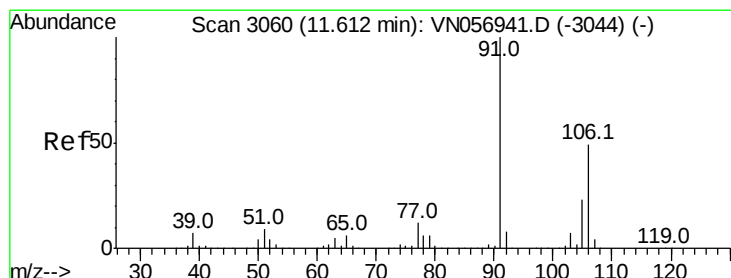
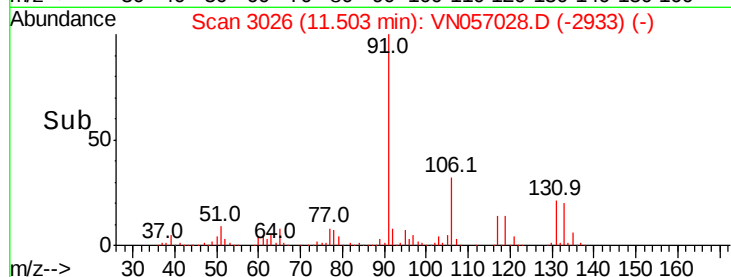
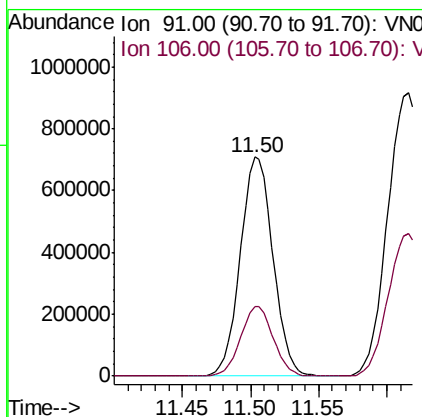
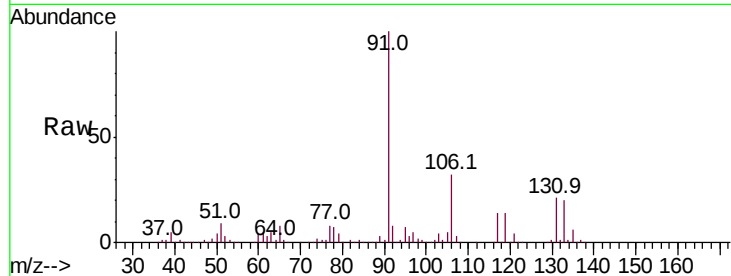
#67
Ethyl Benzene
Concen: 52.775 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1179544
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

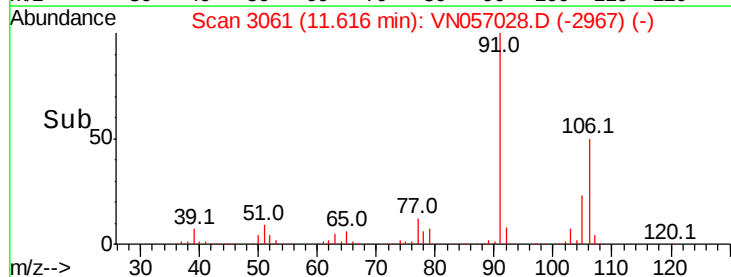
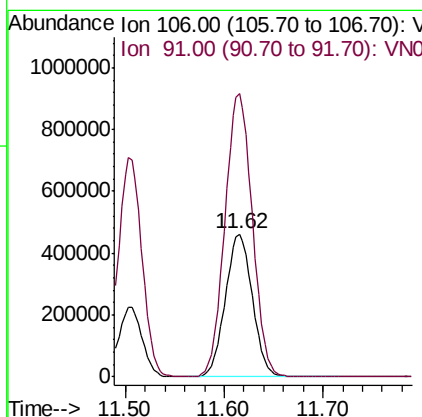
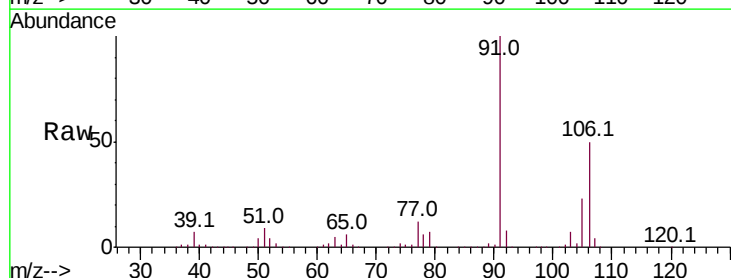
Manual Integrations
APPROVED

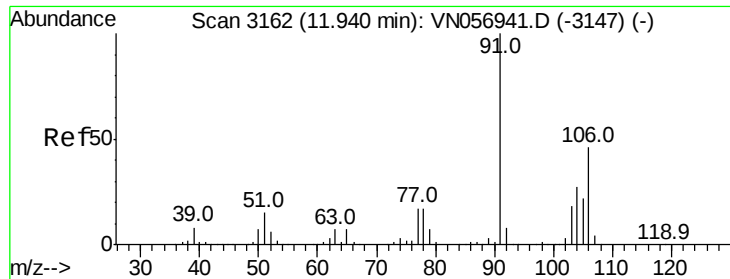
MMDadoda
8/2/2019 11:17:54 AM



#68
m/p-Xylenes
Concen: 107.647 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion: 106 Resp: 887929
Ion Ratio Lower Upper
106 100
91 200.0 160.0 240.0





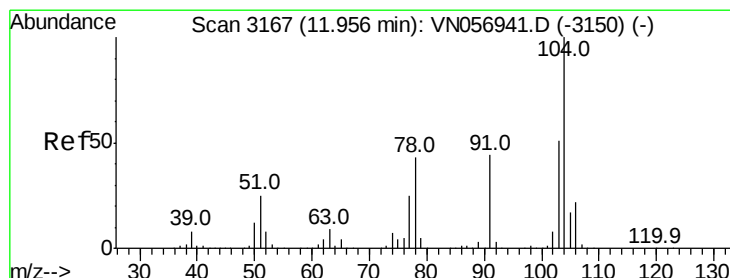
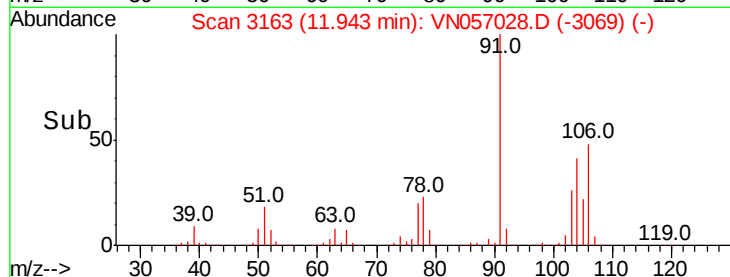
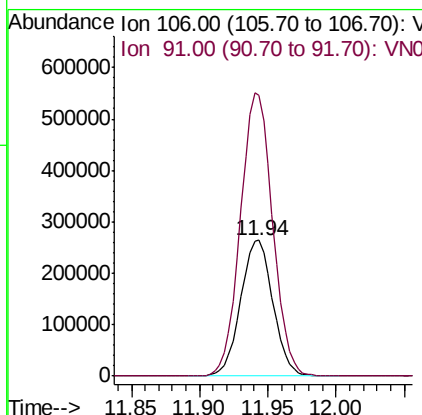
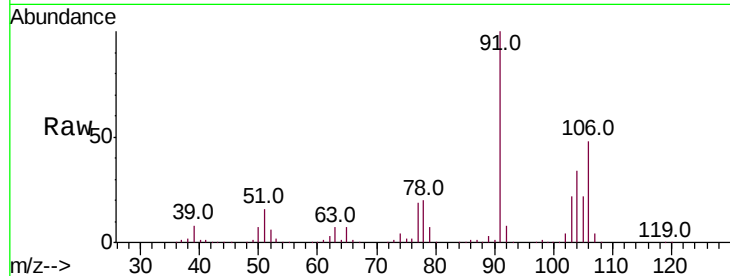
#69
o-Xylene
Concen: 53.724 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 433544
Ion Ratio Lower Upper
106 100
91 208.2 106.2 318.6

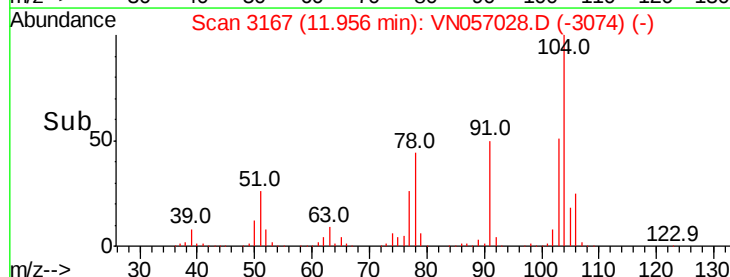
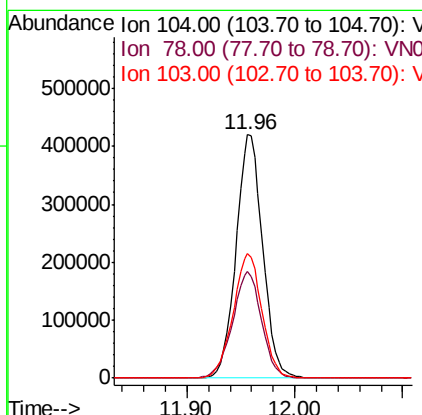
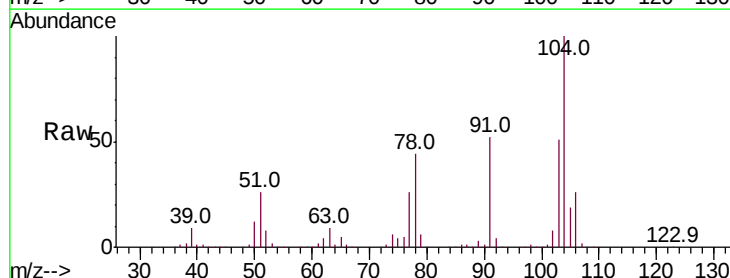
Manual Integrations
APPROVED

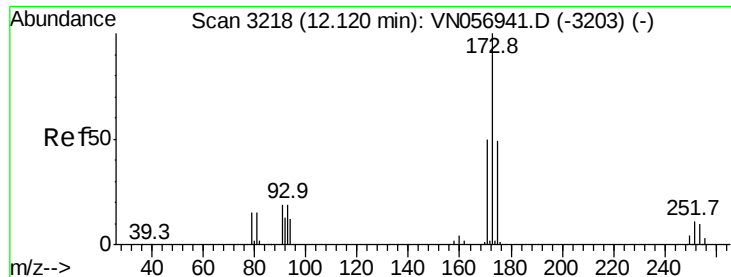
MMDadoda
8/2/2019 11:17:54 AM



#70
Styrene
Concen: 50.595 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion:104 Resp: 722002
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.4 44.3 66.5





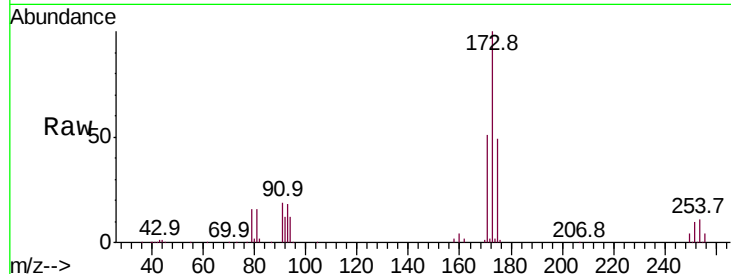
#71
Bromoform
Concen: 56.728 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	0.1	0.1	0.1#

Manual Integrations
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8/2/2019 11:17:54 AM

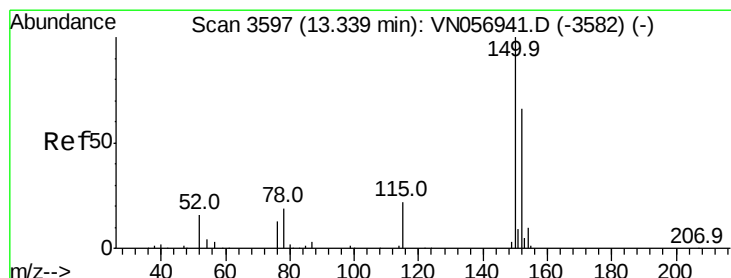
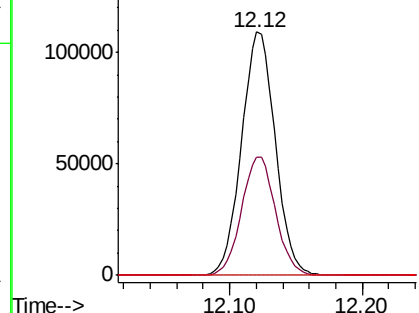
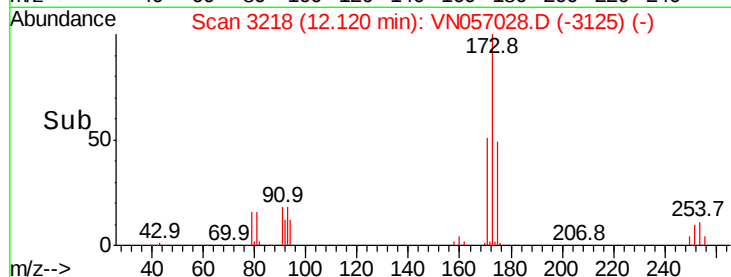


Abundance

Ion 172.70 (172.40 to 173.40): V

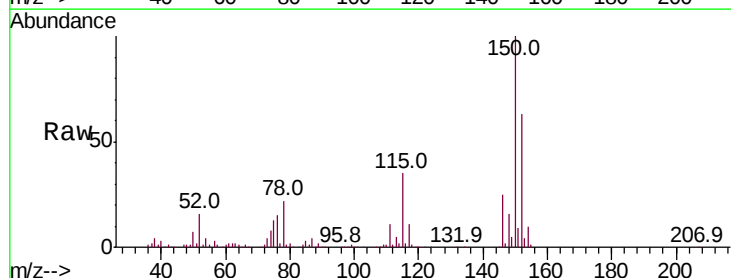
Ion 174.70 (174.40 to 175.40): V

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: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.2	84.6
150	171.9	0.0	349.4

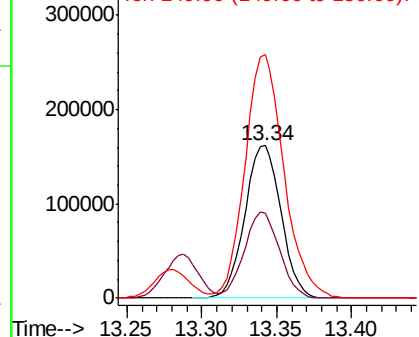
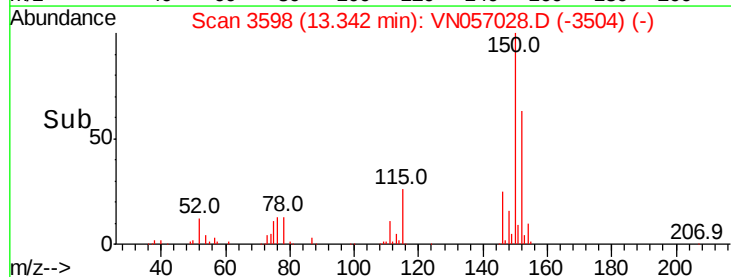


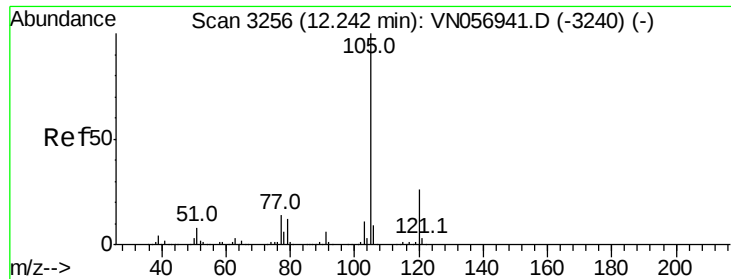
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.117 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1155836

Ion Ratio Lower Upper

105 100

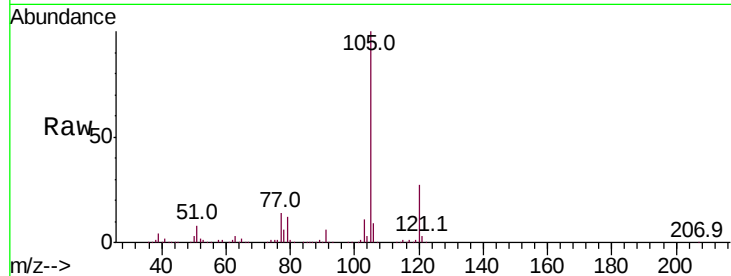
120 27.0 13.5 40.5

Manual Integrations

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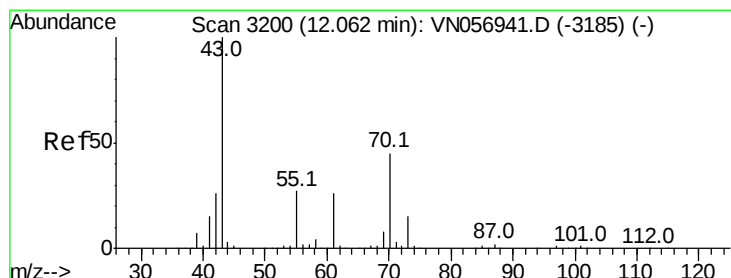
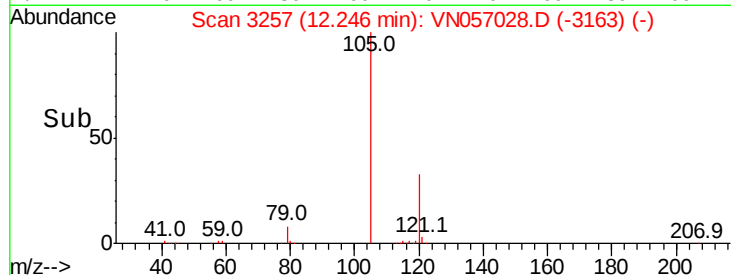
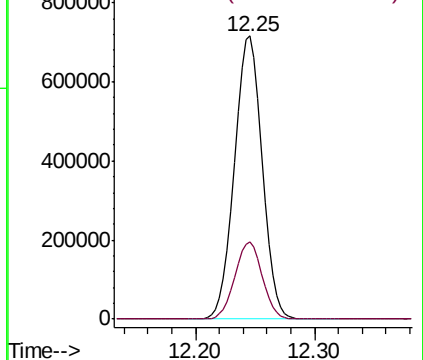
MMDadoda

8/2/2019 11:17:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.484 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion: 43 Resp: 351783

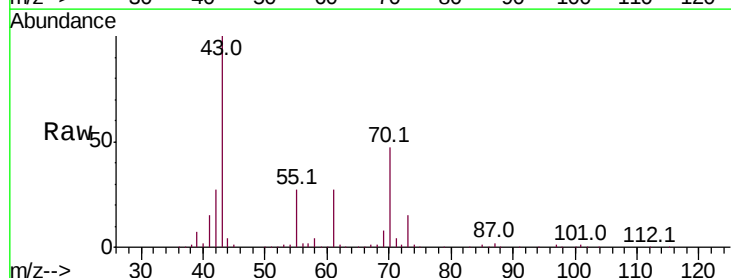
Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 27.1 21.4 32.0

61 26.7 20.5 30.7

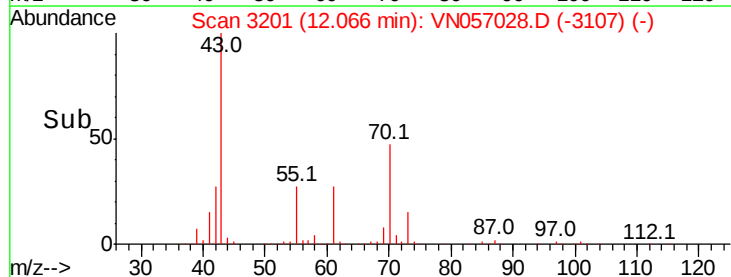
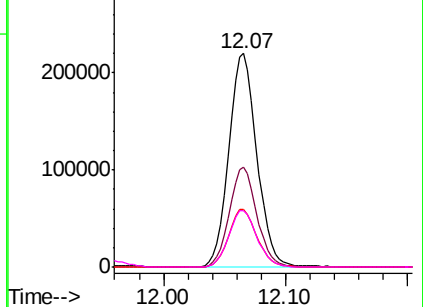


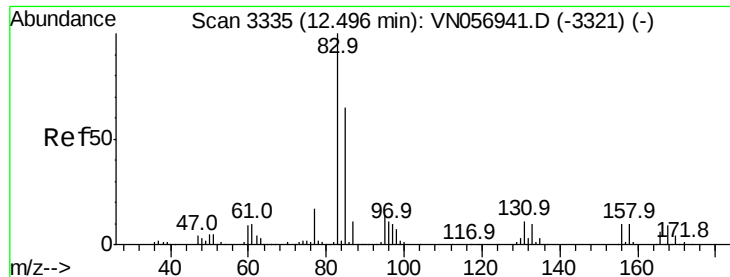
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.291 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

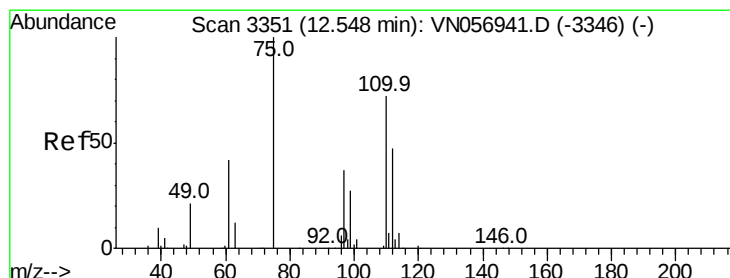
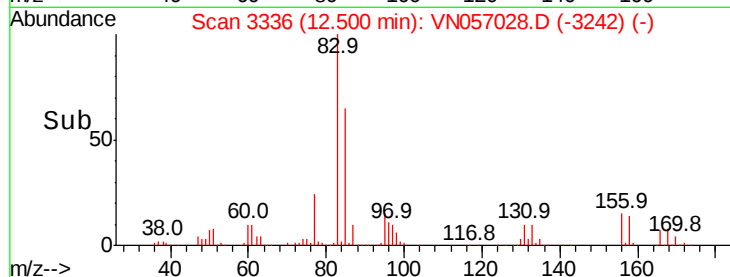
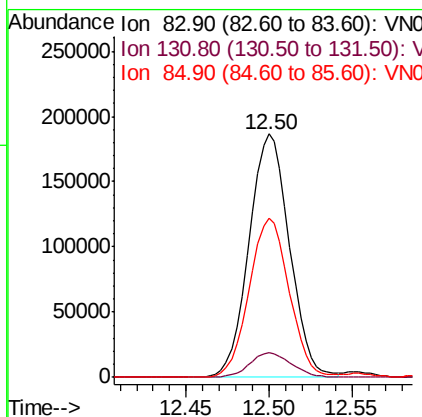
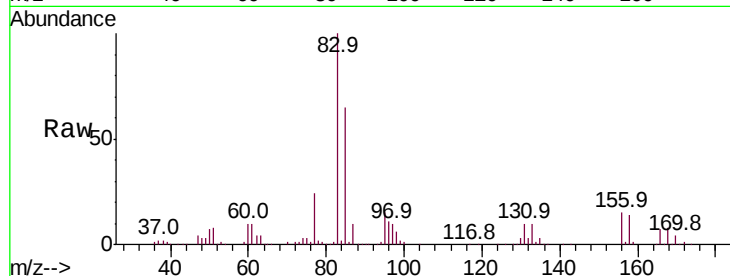
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	315971
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	64.7	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 47.669 ug/l m

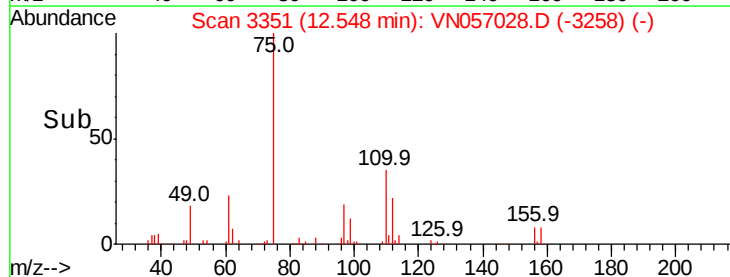
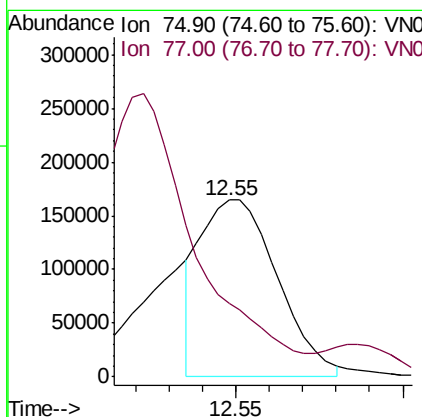
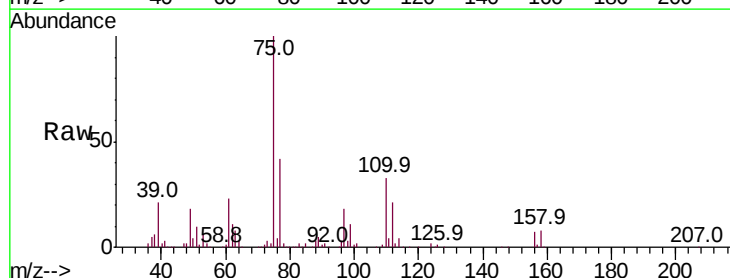
RT: 12.55 min Scan# 3351

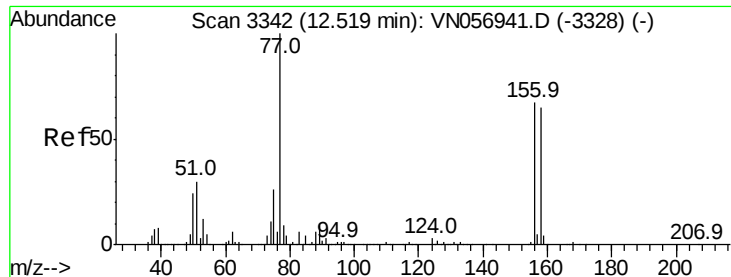
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:	75	Resp:	263591
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.010 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 301007

Ion Ratio Lower Upper

156 100

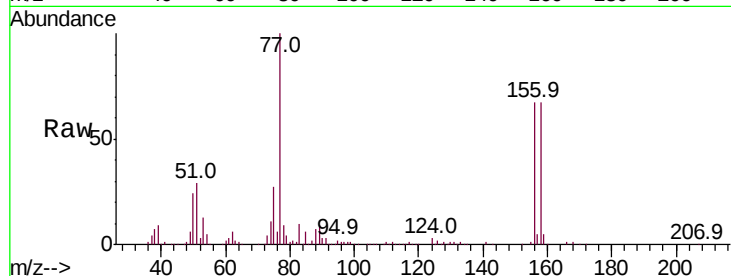
77 181.3 89.5 268.5

158 99.6 48.4 145.3

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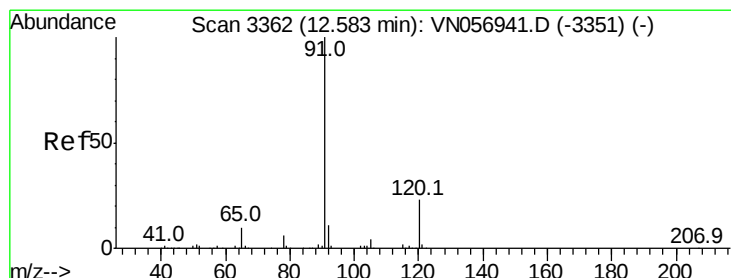
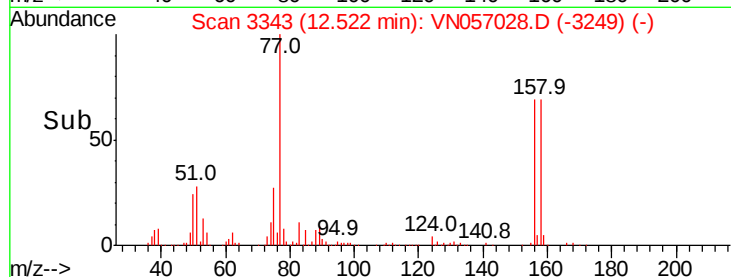
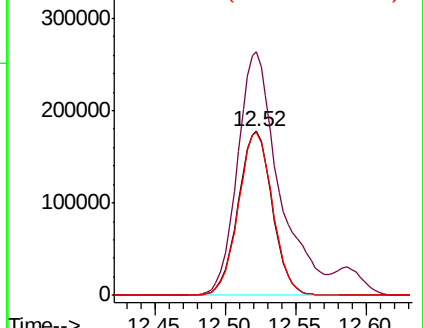
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.435 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057028.D

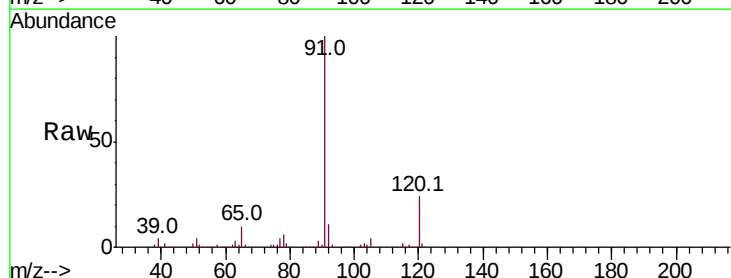
Acq: 1 Aug 2019 11:22

Tgt Ion: 91 Resp: 1267234

Ion Ratio Lower Upper

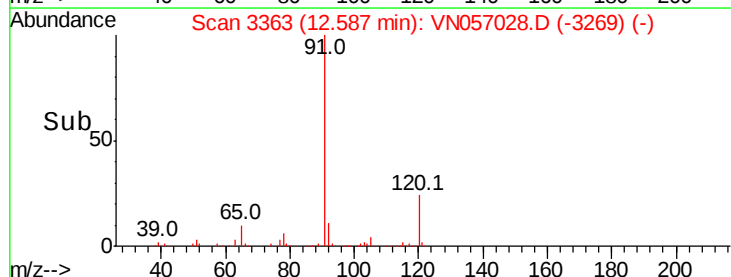
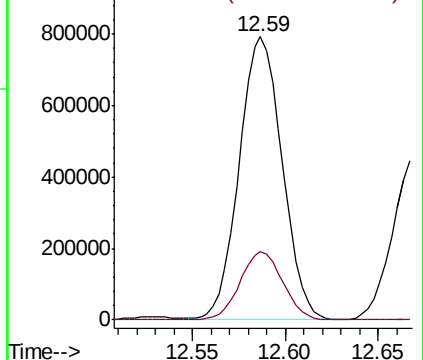
91 100

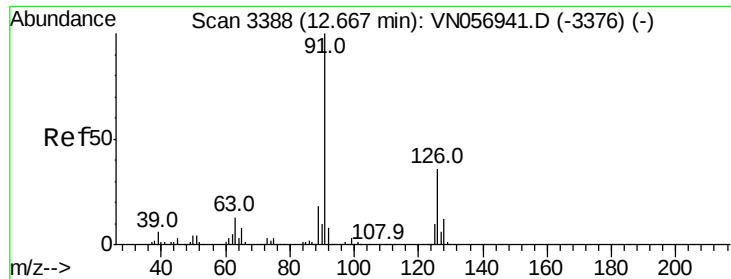
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.063 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 759087

Ion Ratio Lower Upper

91 100

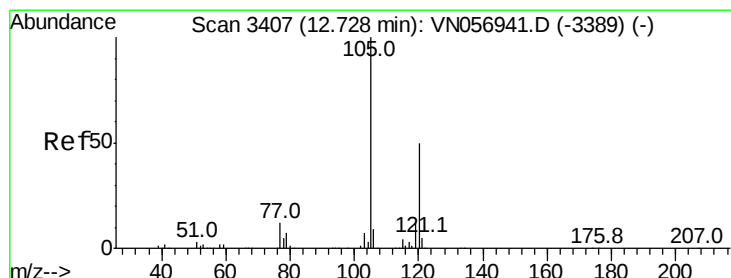
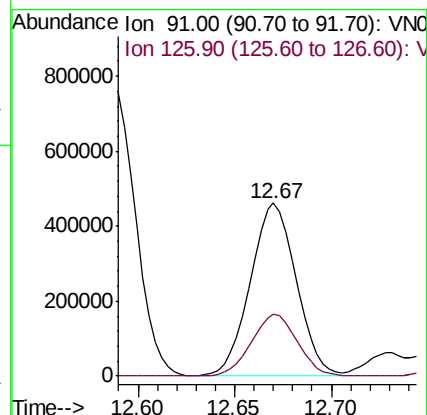
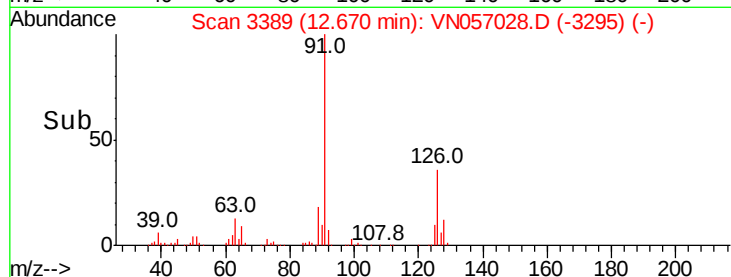
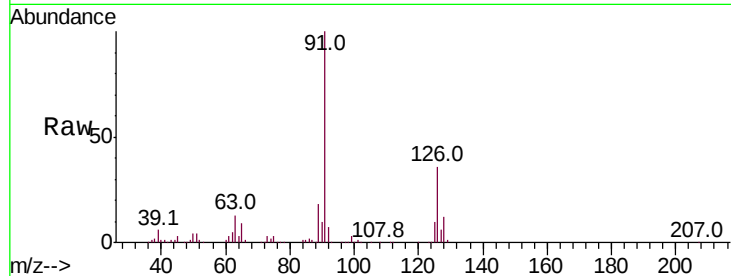
126 36.0 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 50.389 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057028.D

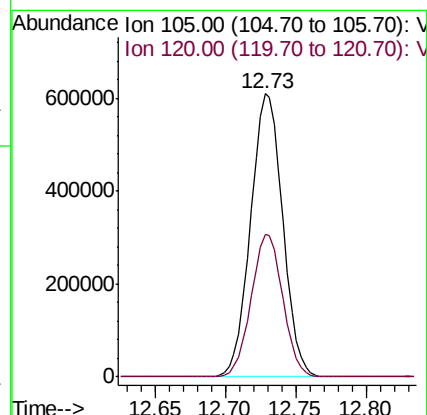
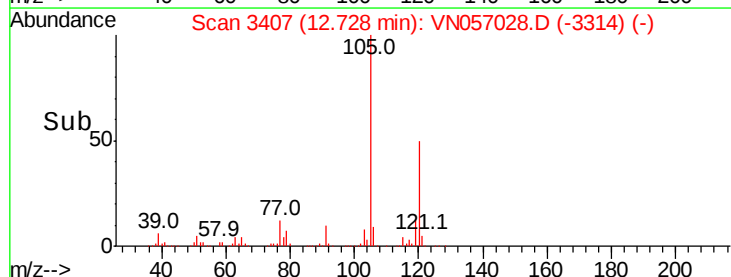
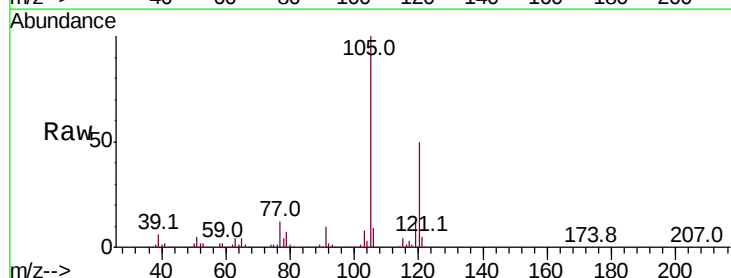
Acq: 1 Aug 2019 11:22

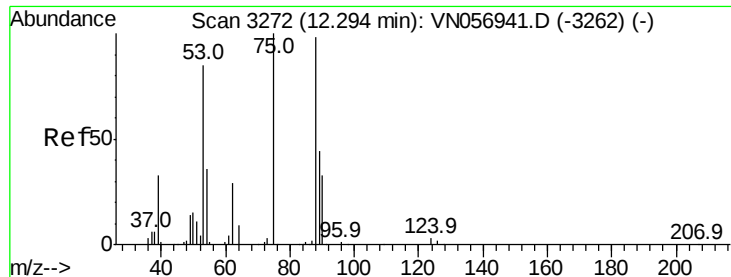
Tgt Ion: 105 Resp: 973187

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.3





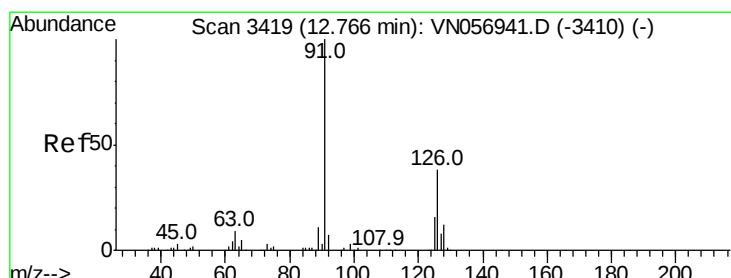
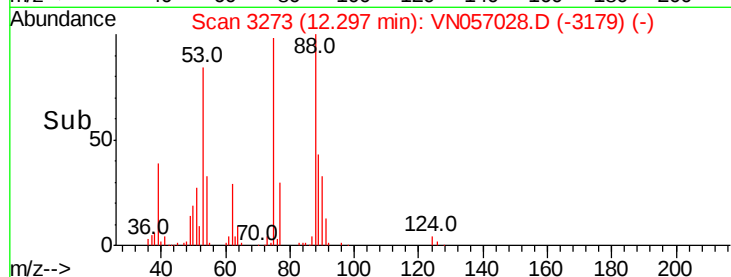
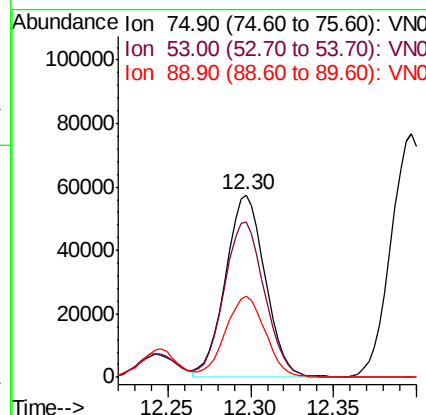
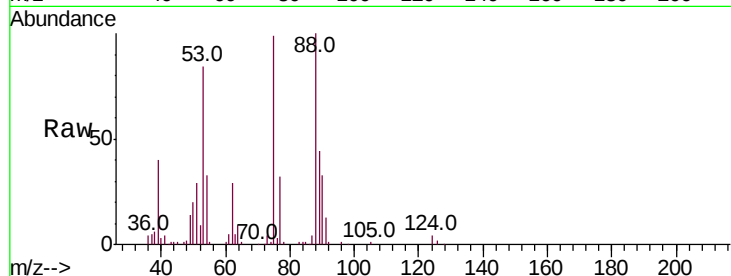
#81
trans-1,4-Dichloro-2-butene
Concen: 55.850 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	69.3	103.9
89	44.7	35.8	53.6

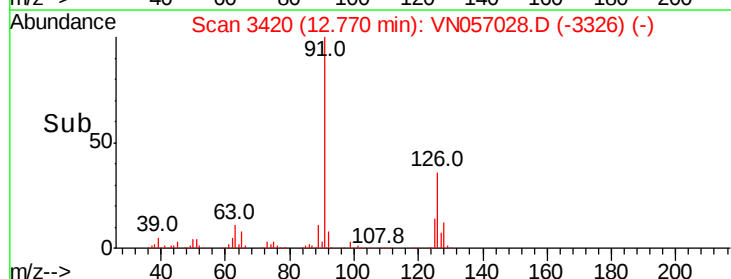
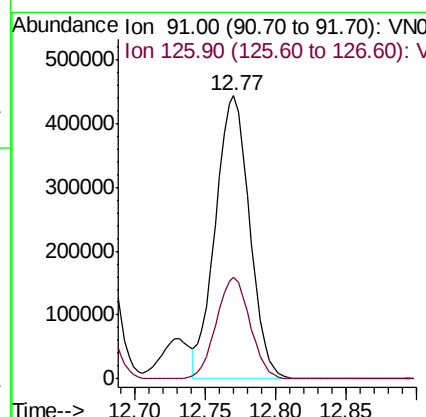
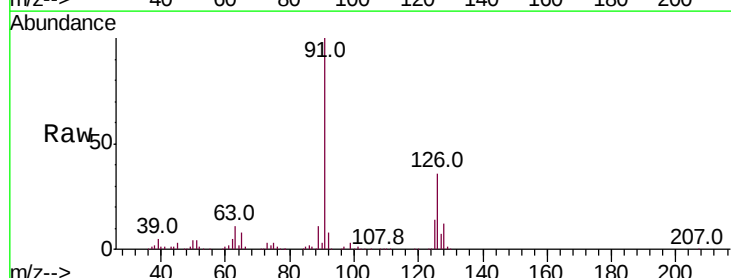
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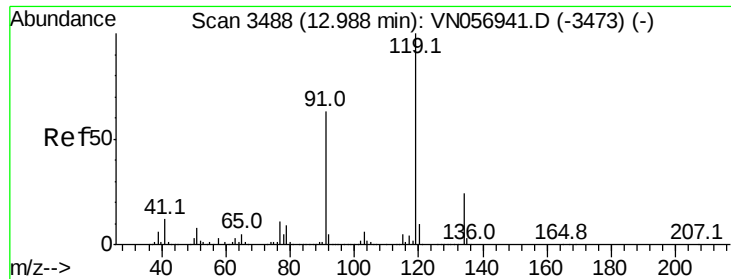
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.436 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





#83

tert-Butylbenzene

Concen: 49.959 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

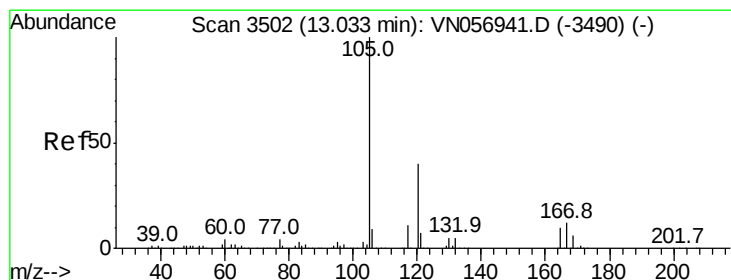
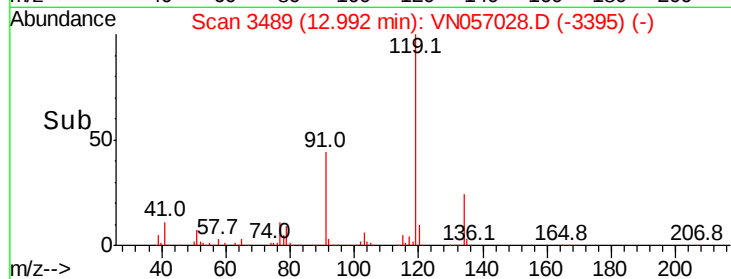
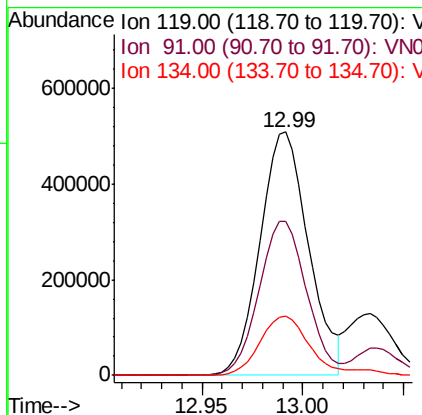
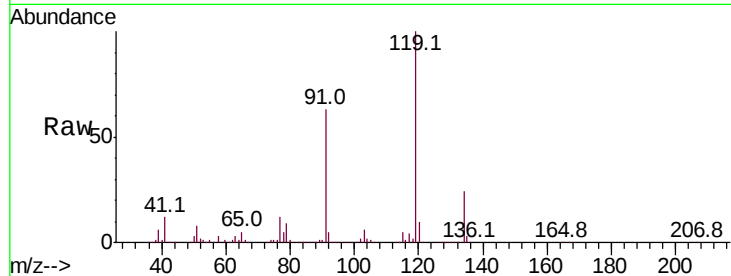
ClientSampleId :

VSTDCCC050

Tot Ion:119	Resp:	854166
Ion Ratio	Lower	Upper
119 100		
91 61.9	31.3	93.8
134 26.1	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.465 ug/l

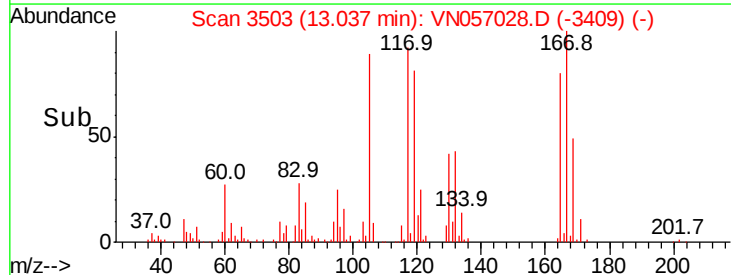
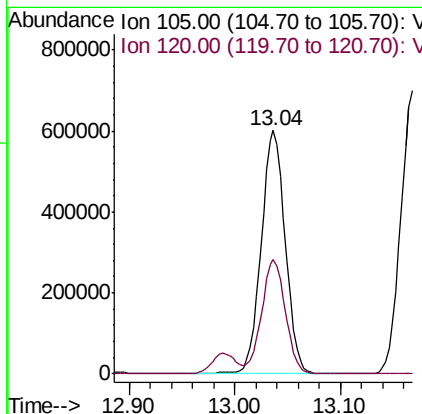
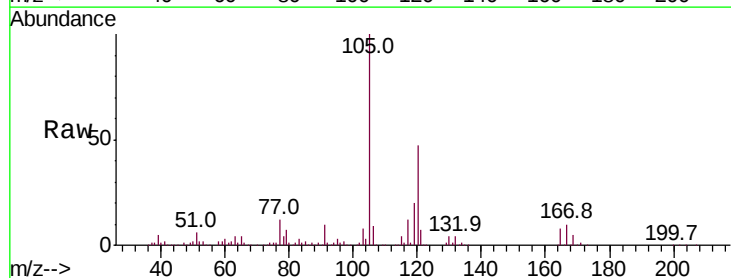
RT: 13.04 min Scan# 3503

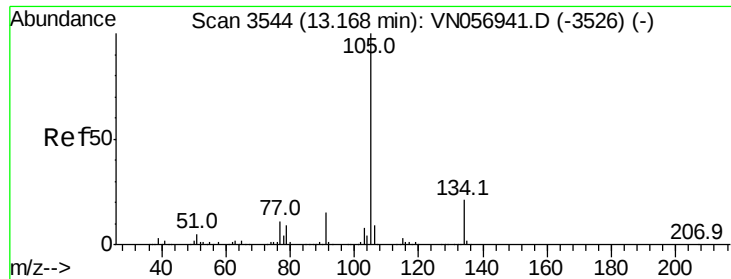
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:105	Resp:	956414
Ion Ratio	Lower	Upper
105 100		
120 46.5	23.2	69.6





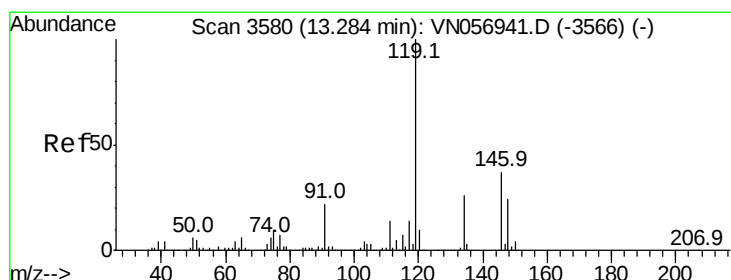
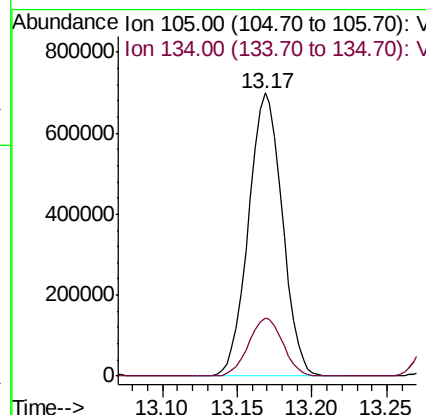
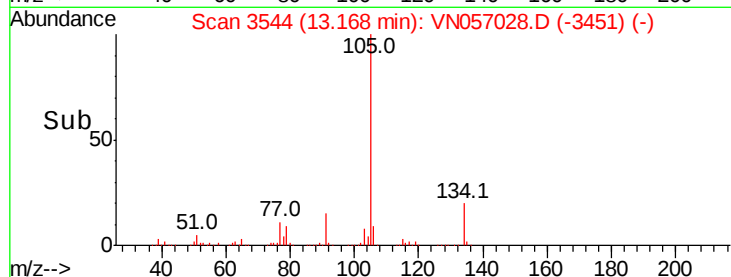
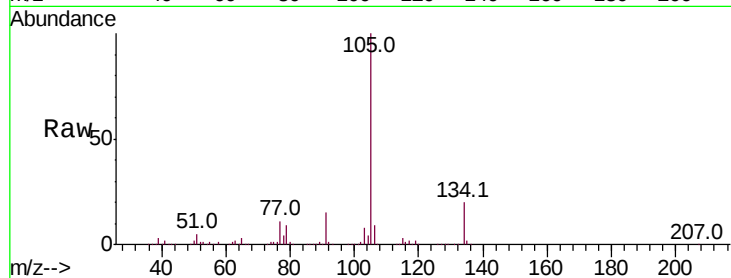
#85
 sec-Butylbenzene
 Concen: 49.843 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1099201
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8

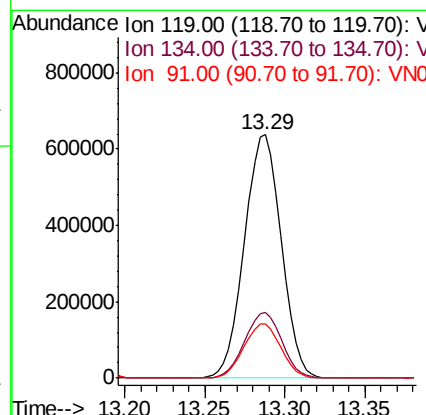
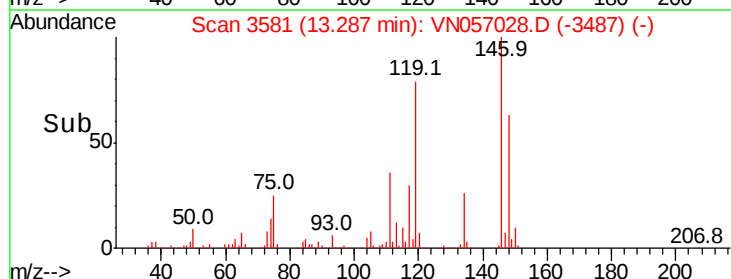
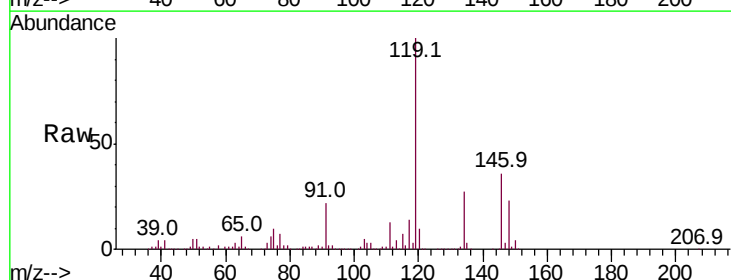
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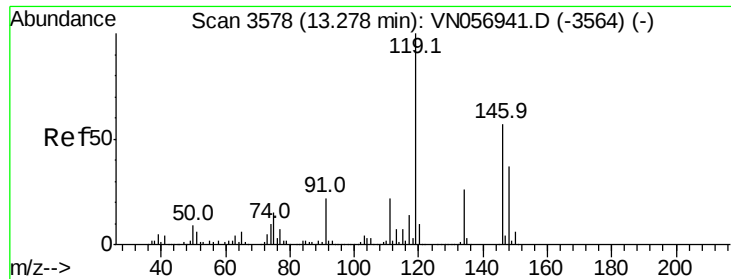
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#86
 p-Isopropyltoluene
 Concen: 51.109 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Tgt Ion:119 Resp: 1000680
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.1
 91 22.3 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 51.673 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

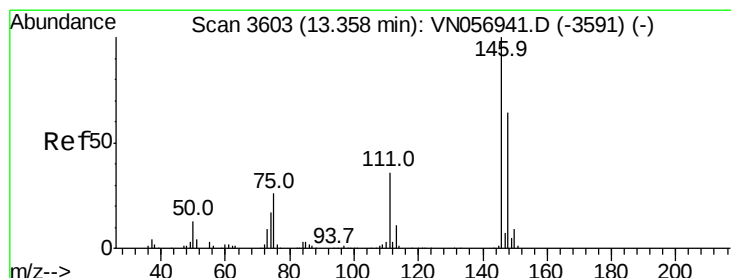
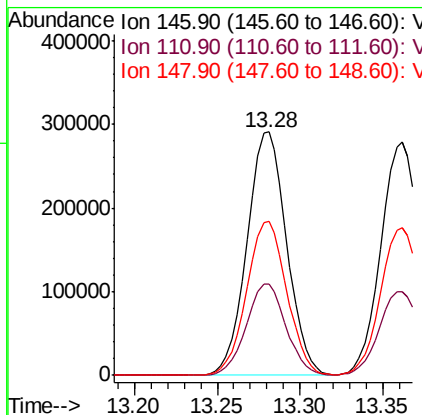
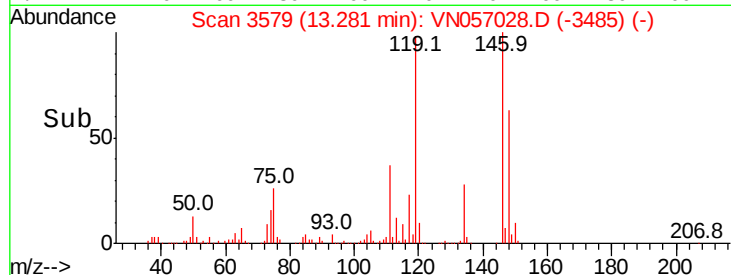
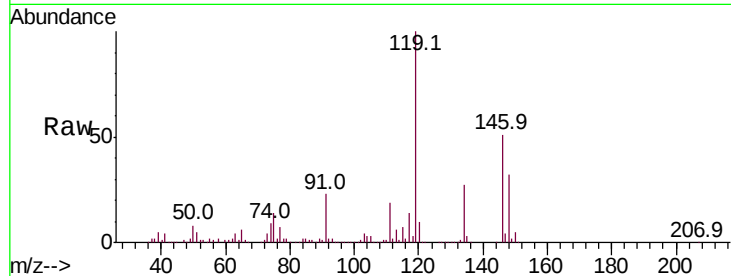
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	482744
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.8
148	64.0	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 51.501 ug/l

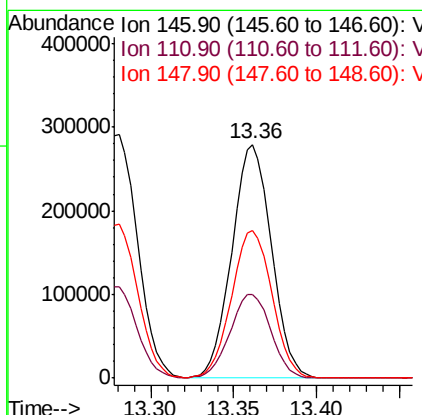
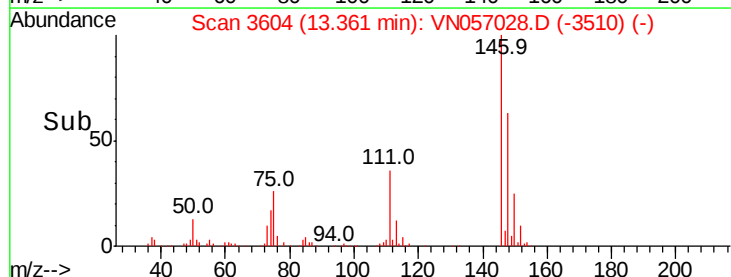
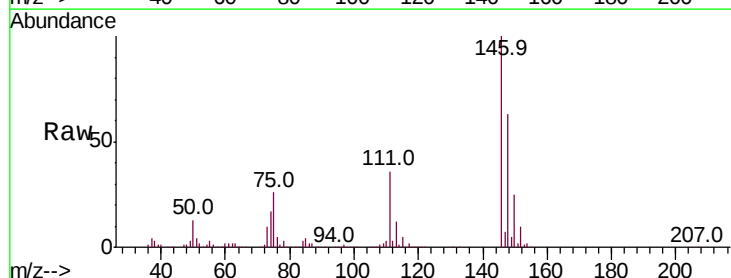
RT: 13.36 min Scan# 3604

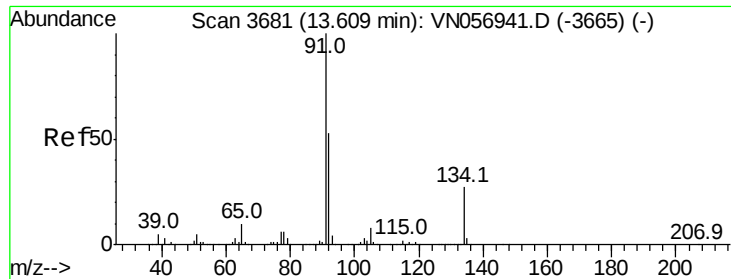
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:	146	Resp:	463178
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.4	55.2
148	64.7	32.3	96.9





#89

n-Butylbenzene

Concen: 52.072 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

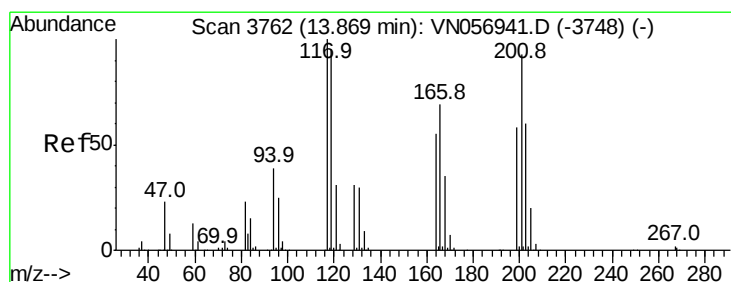
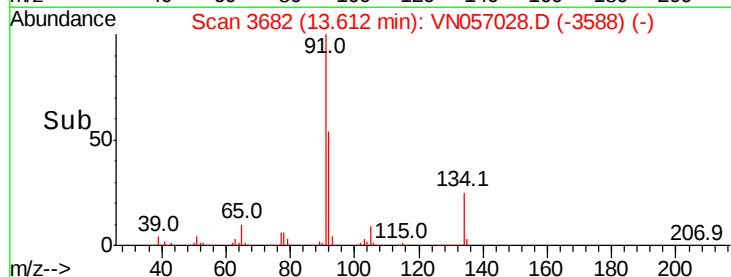
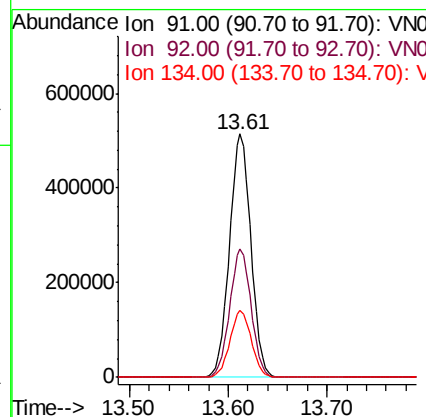
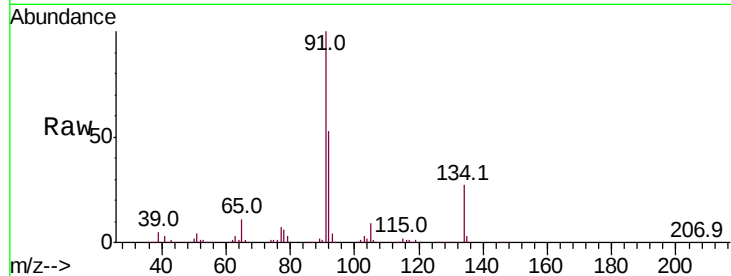
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	785761
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.2	78.5
134	27.3	13.5	40.4

Manual Integrations
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#90

Hexachloroethane

Concen: 50.453 ug/l

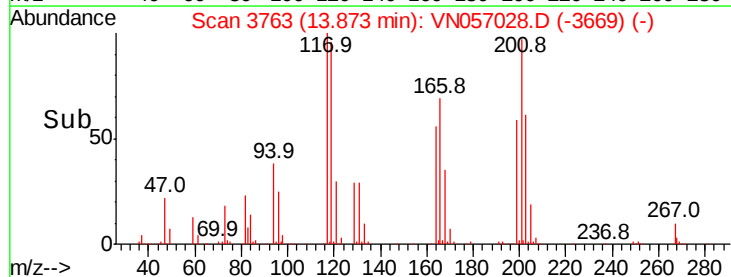
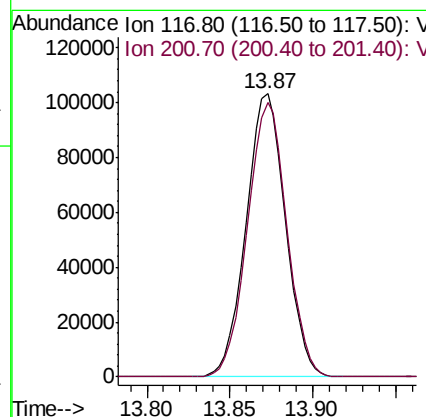
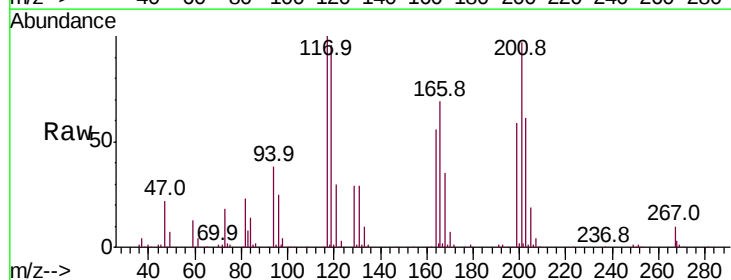
RT: 13.87 min Scan# 3763

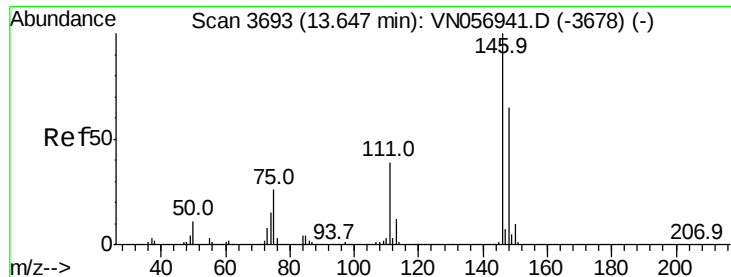
Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Tgt Ion:	117	Resp:	170096
Ion Ratio	Lower	Upper	
117	100		
201	96.8	47.0	141.2





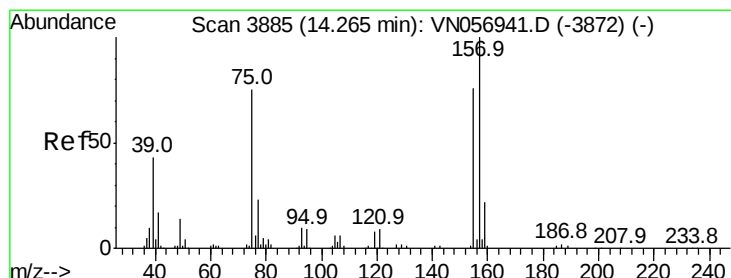
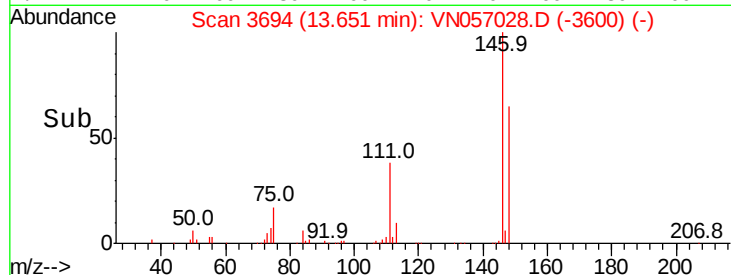
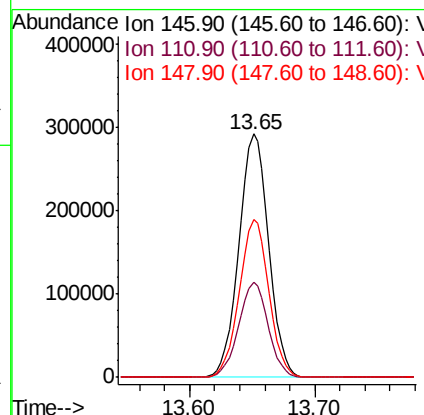
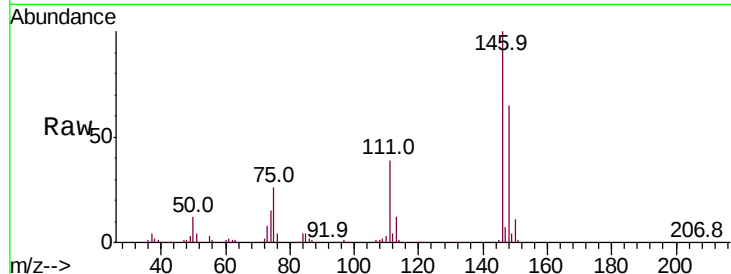
#91
 1,2-Dichlorobenzene
 Concen: 52.336 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	481208
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.4
148	64.3	32.2	96.6

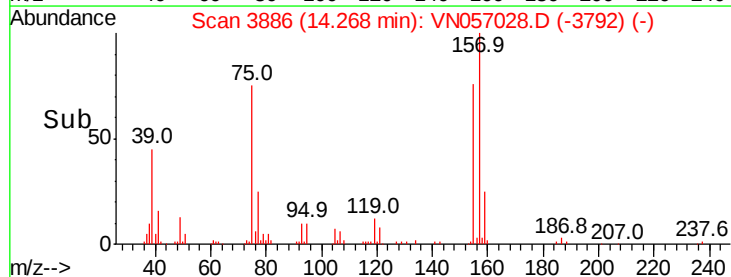
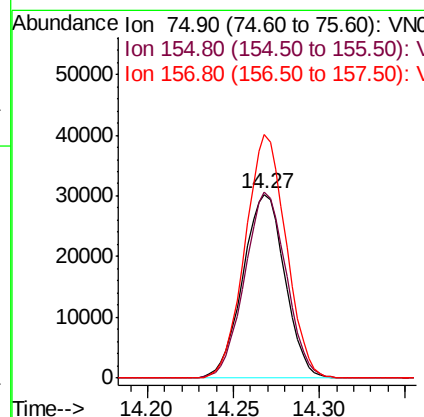
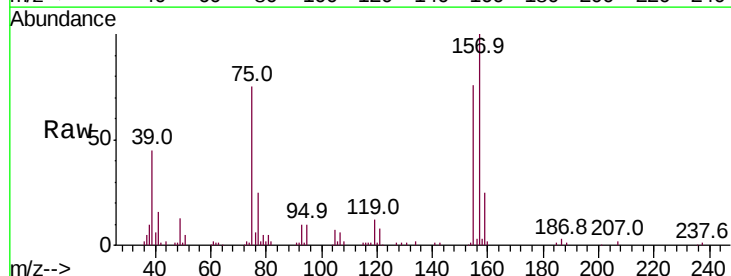
Manual Integrations
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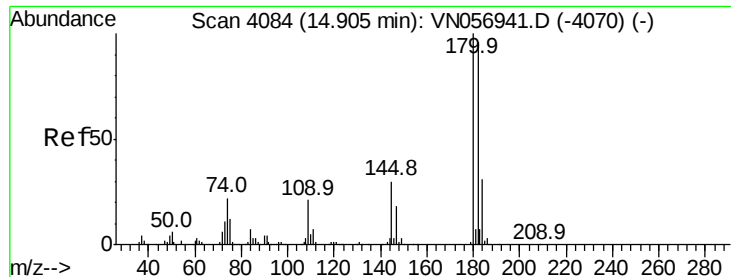
MMDadoda
 8/2/2019 11:17:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.842 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057028.D
 Acq: 1 Aug 2019 11:22

Tgt Ion:	75	Resp:	51329
Ion Ratio	Lower	Upper	
75	100		
155	99.8	50.2	150.6
157	128.8	65.1	195.4





#93

1,2,4-Trichlorobenzene

Concen: 45.946 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057028.D

Acq: 1 Aug 2019 11:22

Instrument :

MSVOA_N

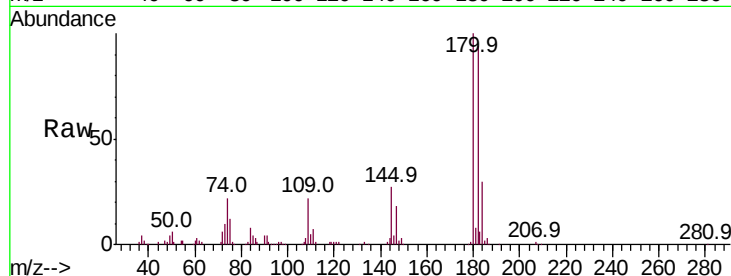
ClientSampled :

VSTDCCC050

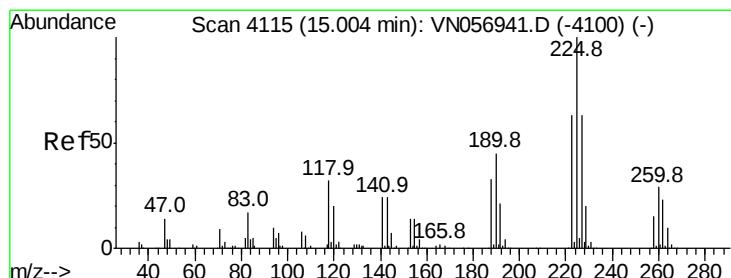
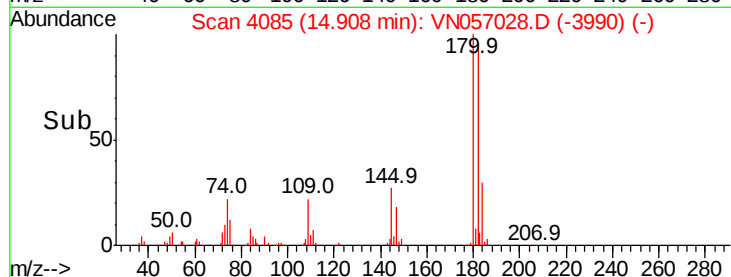
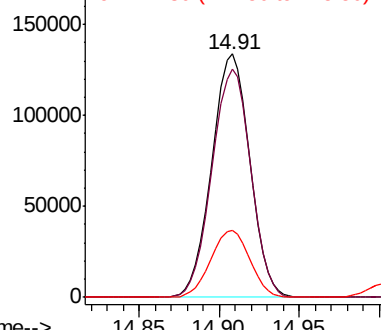
Tot Ion:	180	Resp:	216834
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.6	142.8
145	28.3	14.2	42.8

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



#94

Hexachlorobutadiene

Concen: 56.531 ug/l

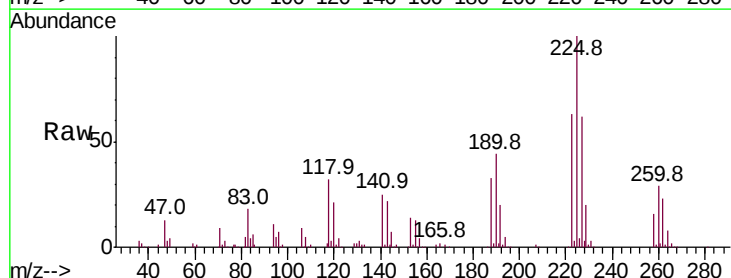
RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

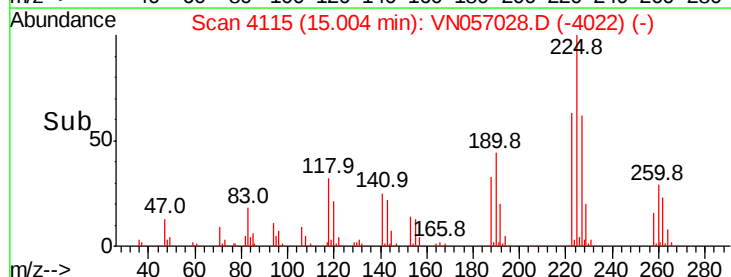
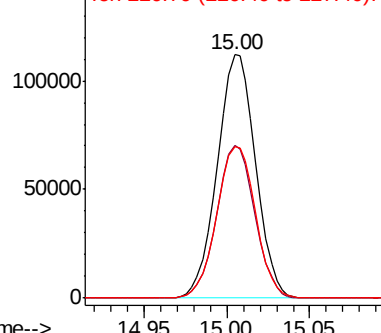
Lab File: VN057028.D

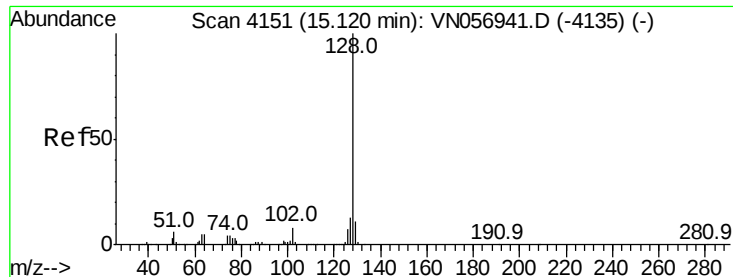
Acq: 1 Aug 2019 11:22

Tgt Ion:	225	Resp:	180171
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.8	92.4
227	63.3	31.1	93.5



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





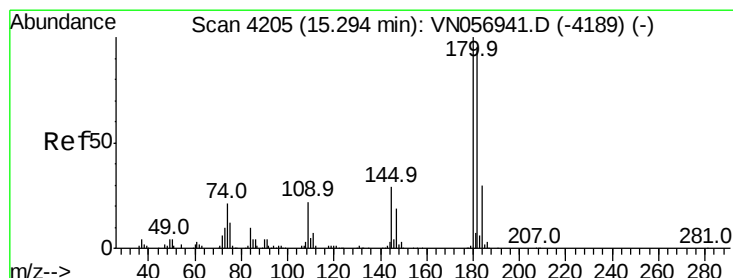
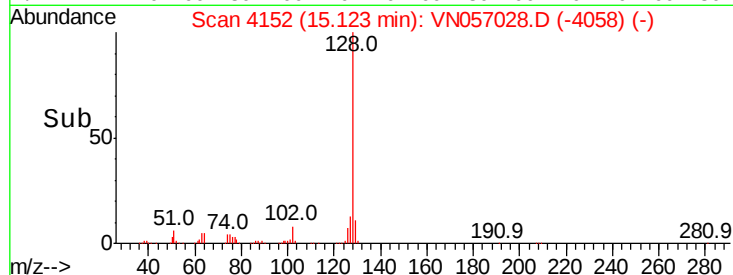
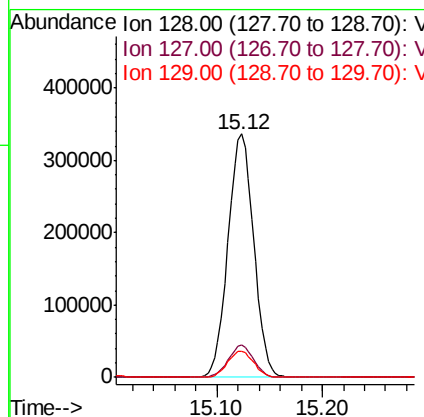
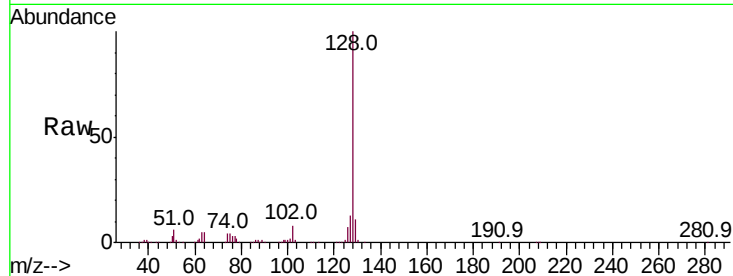
#95
Naphthalene
Concen: 48.983 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:	128	Resp:	565774
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 50.841 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057028.D
Acq: 1 Aug 2019 11:22

Tgt Ion:	180	Resp:	243864
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.2
145	29.5	15.0	45.0

