

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055904.D
 Acq On : 30 May 2019 17:04
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:45 AM

Quant Time: May 31 05:18:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51667	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	278619	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	241824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	102036	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	12.40	95	106316	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	10.09	98	334092	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	44367	19.585	ug/l 100
3) Chloromethane	2.06	50	59701	18.528	ug/l 97
4) Vinyl Chloride	2.19	62	64763	19.693	ug/l 99
5) Bromomethane	2.54	94	46291m	24.042	ug/l
6) Chloroethane	2.69	64	40281	20.967	ug/l 95
7) Trichlorofluoromethane	3.01	101	86126	20.875	ug/l 98
8) Diethyl Ether	3.40	74	38512	21.233	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53751	20.618	ug/l 98
10) 1,1-Dichloroethene	3.72	96	54241	19.889	ug/l 97
11) Methyl Iodide	3.94	142	76501	19.664	ug/l 99
12) Methyl Acetate	4.33	43	68063	20.406	ug/l 99
13) Acrolein	3.60	56	42131	90.909	ug/l 99
14) Acrylonitrile	4.99	53	152850	100.517	ug/l 100
15) Acetone	3.82	58	48305	102.285	ug/l 95
16) Carbon Disulfide	4.04	76	129176	16.521	ug/l 99
17) Allyl chloride	4.31	41	89850	18.293	ug/l 96
18) Methylene Chloride	4.55	84	63422	20.306	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	57266	19.520	ug/l 98
20) Diisopropyl ether	5.96	45	187189	19.646	ug/l 96
21) 1,1-Dichloroethane	5.84	63	106806	19.834	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	68909	20.140	ug/l 97
23) tert-Butyl Alcohol	4.82	59	61656	92.323	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	183174	19.795	ug/l 100
25) Chloroform	7.37	83	106560	20.035	ug/l 99
26) Cyclohexane	7.65	56	94934	19.109	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	78278	20.069	ug/l 99
30) 2-Butanone	6.84	43	211104	101.544	ug/l 99
31) 2,2-Dichloropropane	6.82	77	83827	18.469	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	90645	19.607	ug/l 99
33) Carbon Tetrachloride	7.77	117	74683	18.059	ug/l 98
34) Benzene	8.04	78	250332	20.788	ug/l 99
35) Methacrylonitrile	7.18	41	38326	19.973	ug/l 98
36) 1,2-Dichloroethane	8.12	62	81965	20.829	ug/l 100
37) Trichloroethene	8.83	130	66877	19.905	ug/l 99
38) Methylcyclohexane	9.08	83	95790	19.384	ug/l 99
39) 1,2-Dichloropropane	9.12	63	65354	20.188	ug/l 98
40) Dibromomethane	9.21	93	42456	20.310	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	79359	18.524	ug/l	99
42) Vinyl Acetate	5.90	43	775496	96.077	ug/l	99
43) Ethyl Acetate	6.93	43	81549	19.956	ug/l #	100
44) Isopropyl Acetate	8.17	43	130218	19.244	ug/l #	87
45) 1,4-Dioxane	9.20	88	26516	416.525	ug/l	95
46) Methyl methacrylate	9.20	41	63245	20.033	ug/l	99
47) n-amyl Acetate	12.07	43	102567	18.326	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	81298	17.191	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	96778	18.696	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	63025	20.711	ug/l	97
51) Ethyl methacrylate	10.43	69	93245	19.010	ug/l	99
52) 1,3-Dichloropropane	10.71	76	102087	20.352	ug/l	99
53) Dibromochloromethane	10.90	129	62140	17.285	ug/l	98
54) 1,2-Dibromoethane	11.00	107	63786	20.256	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	169221	88.667	ug/l	99
56) Bromoform	12.13	173	43263	14.671	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	408219	101.971	ug/l	99
59) 2-Hexanone	10.75	43	282672	98.767	ug/l	100
61) Tetrachloroethene	10.63	164	68707	20.988	ug/l	98
62) Toluene	10.15	91	273659	21.044	ug/l	100
64) Chlorobenzene	11.43	112	163548	20.733	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	60098	18.908	ug/l	99
66) Ethyl Benzene	11.51	91	290791	20.466	ug/l	99
67) m/p-Xylenes	11.62	106	221515	41.040	ug/l	100
68) o-Xylene	11.95	106	109619	20.523	ug/l	99
69) Styrene	11.96	104	175783	19.948	ug/l	98
70) Isopropylbenzene	12.25	105	290280	20.771	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	87909	20.440	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	78157m	21.114	ug/l	
73) Bromobenzene	12.53	156	73026	19.752	ug/l	100
74) n-propylbenzene	12.59	91	301508	20.004	ug/l	100
75) 2-Chlorotoluene	12.67	91	188826	20.509	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	234937	20.338	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21437	14.580	ug/l	86
78) 4-Chlorotoluene	12.77	91	172409	19.759	ug/l	99
79) tert-butylbenzene	12.99	119	209202	20.600	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	228688	19.943	ug/l	99
81) sec-Butylbenzene	13.17	105	263100	20.391	ug/l	100
82) p-Isopropyltoluene	13.29	119	236648	19.929	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	111828	19.295	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	102303	18.535	ug/l	99
85) n-Butylbenzene	13.61	91	166345	18.006	ug/l	99
86) Hexachloroethane	13.87	117	37361	15.996	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	114861	19.682	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13609	16.695	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	44967	14.274	ug/l	98
90) Hexachlorobutadiene	15.01	225	39912	16.980	ug/l	98
91) Naphthalene	15.13	128	131979	15.333	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	52077	15.818	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

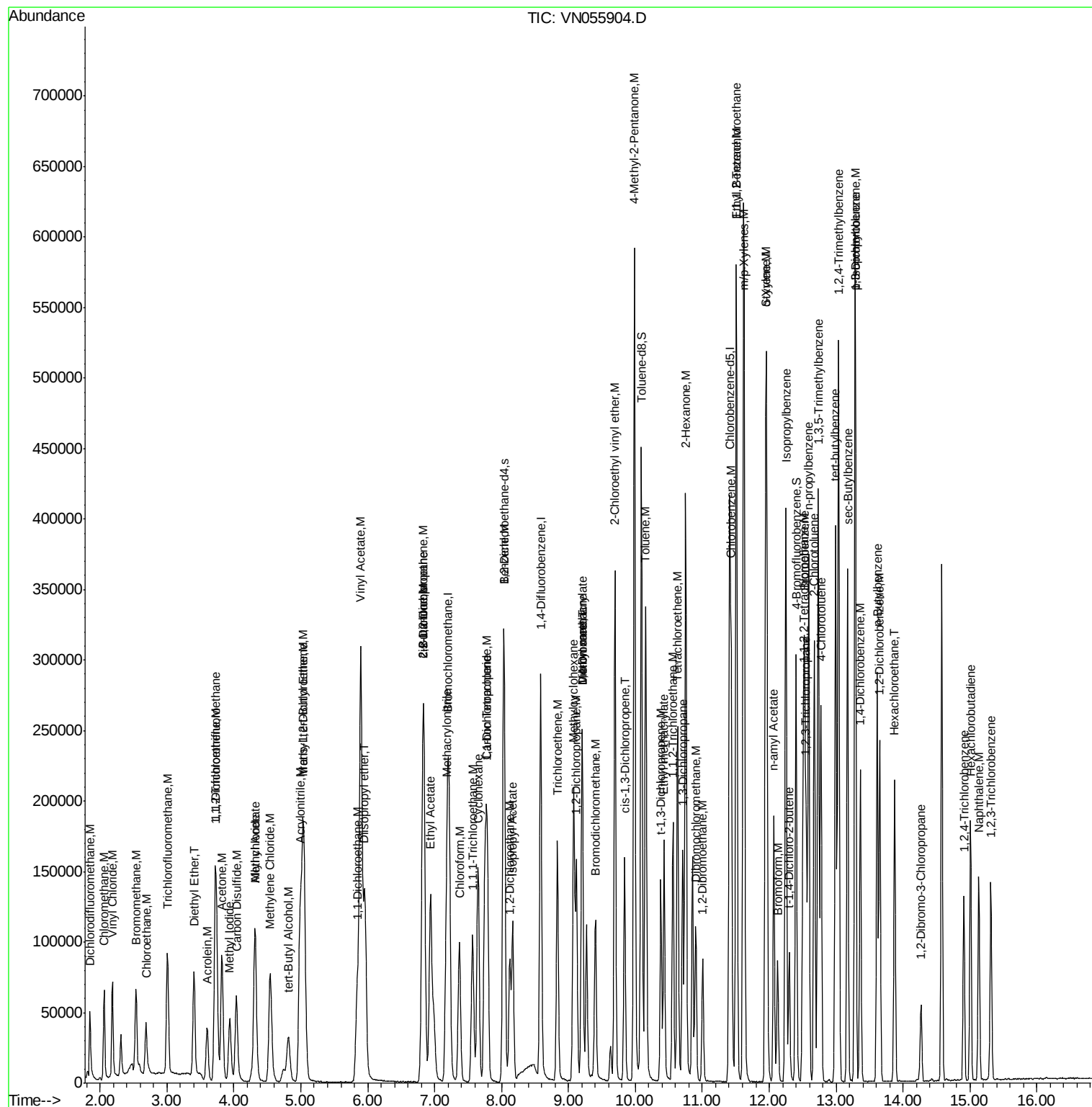
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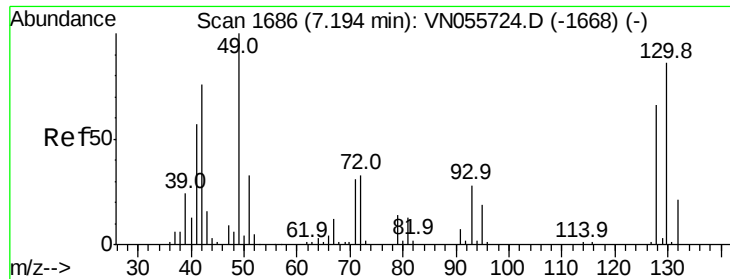
Instrument :
MSVOA_N
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 51667

Ion Ratio Lower Upper

128 100

49 145.5 0.0 383.2

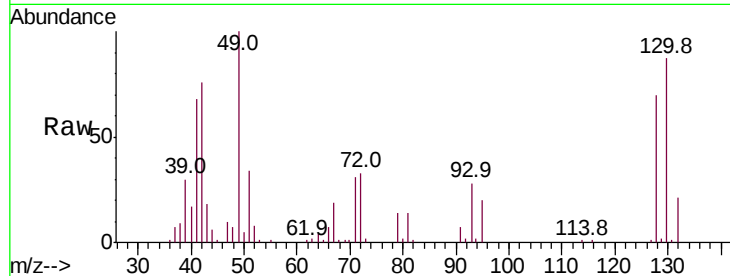
130 128.2 0.0 326.3

Manual Integrations

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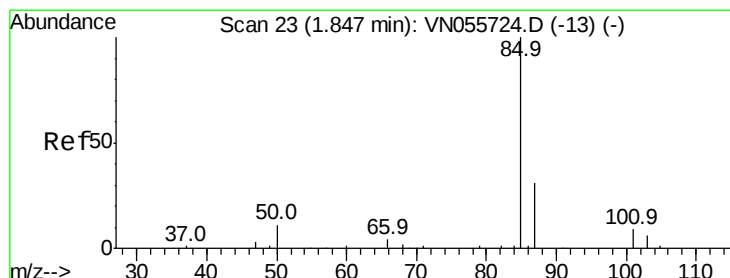
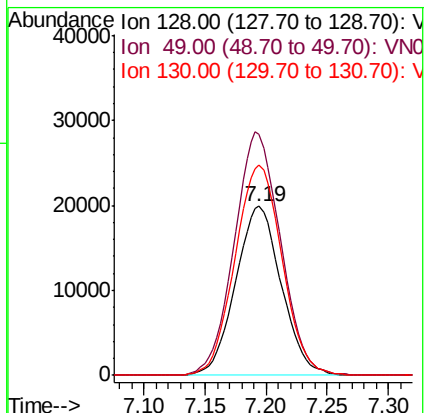
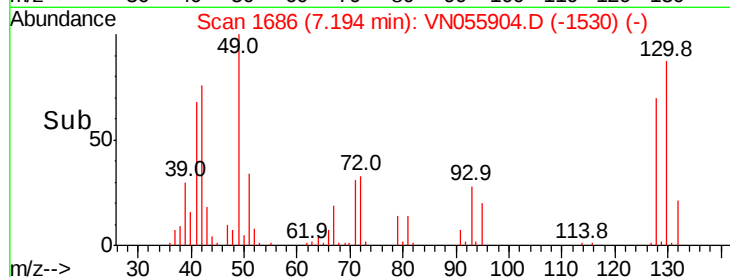
5/31/2019 9:38:45 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.585 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055904.D

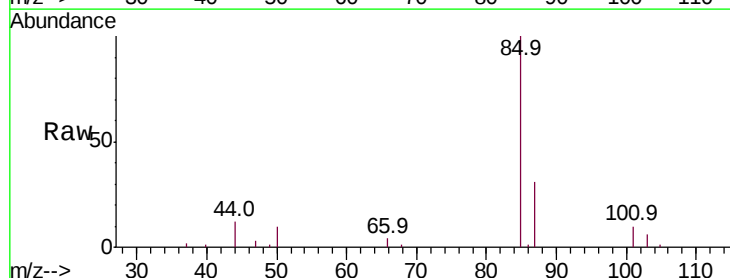
Acq: 30 May 2019 17:04

Tgt Ion: 85 Resp: 44367

Ion Ratio Lower Upper

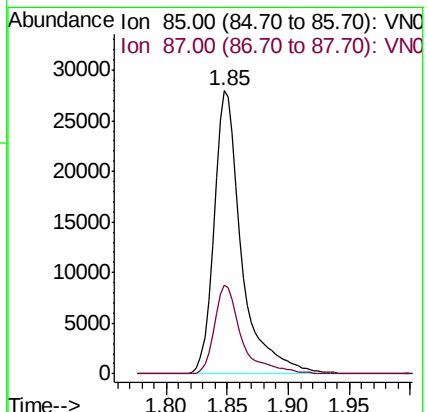
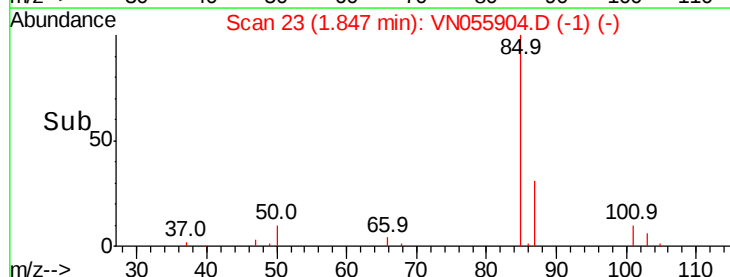
85 100

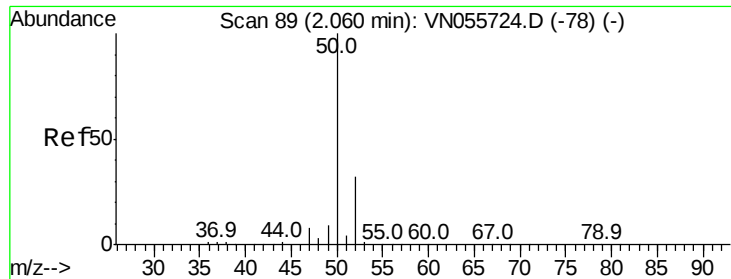
87 31.4 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 18.528 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

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ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 59701

Ion Ratio Lower Upper

50 100

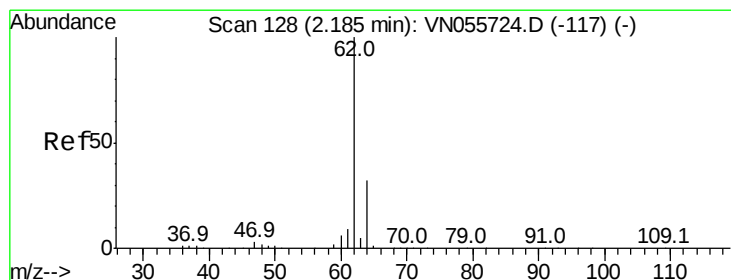
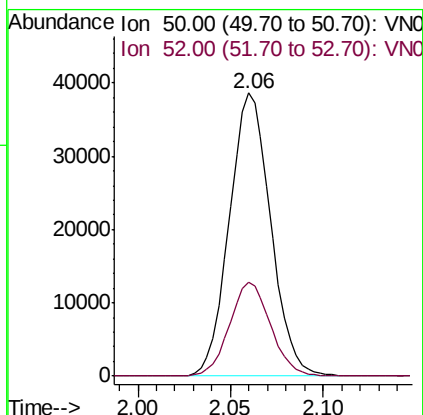
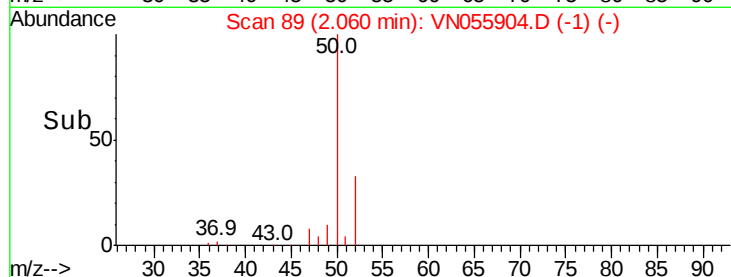
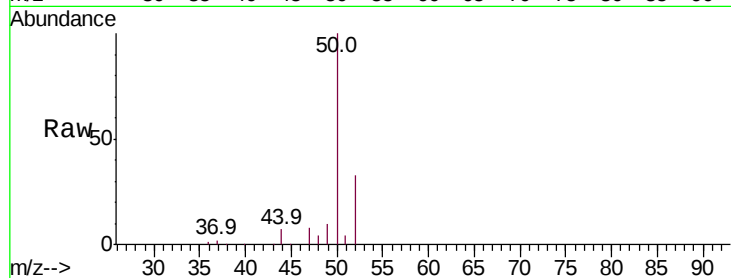
52 33.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.693 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055904.D

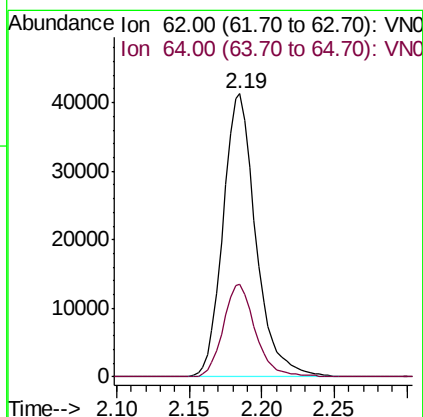
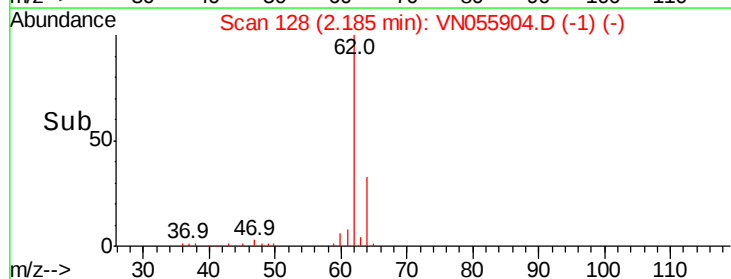
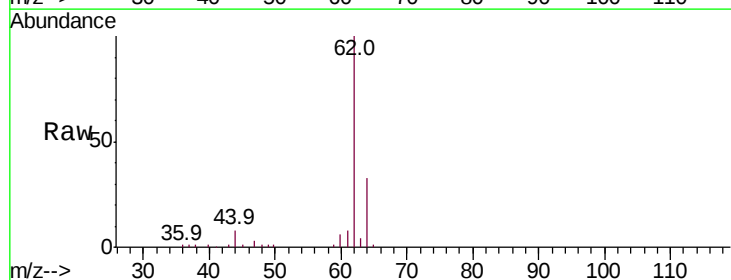
Acq: 30 May 2019 17:04

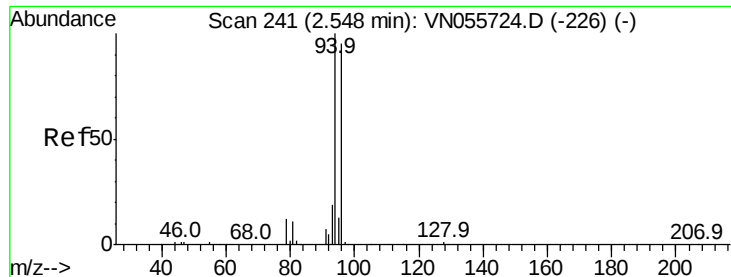
Tgt Ion: 62 Resp: 64763

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 24.042 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 46291

Ion Ratio Lower Upper

94 100

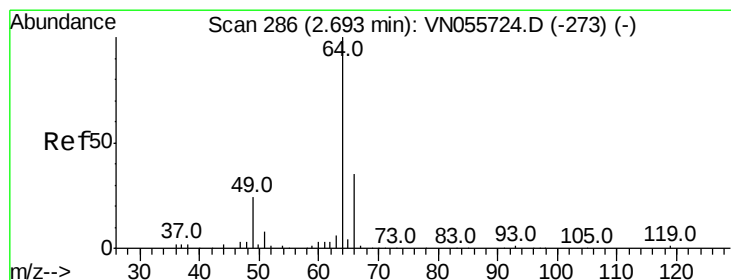
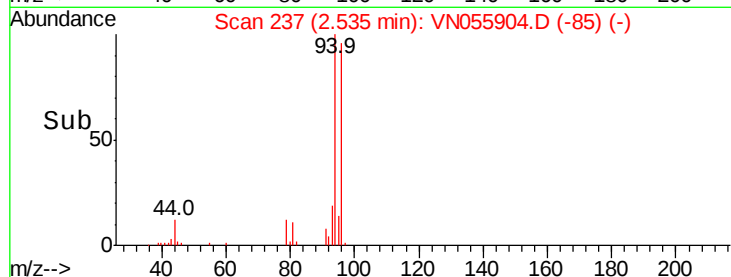
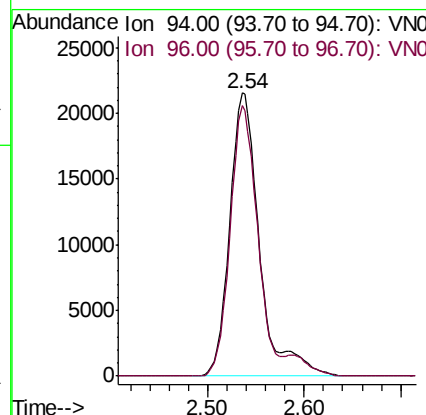
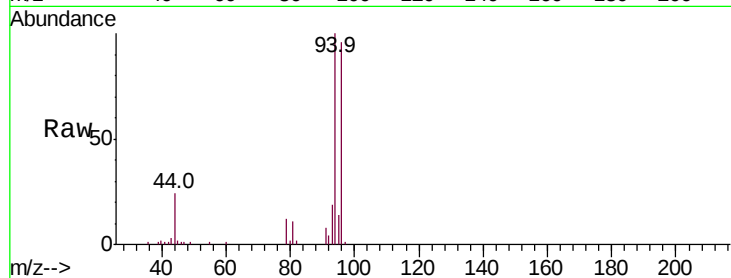
96 95.7 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 20.967 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055904.D

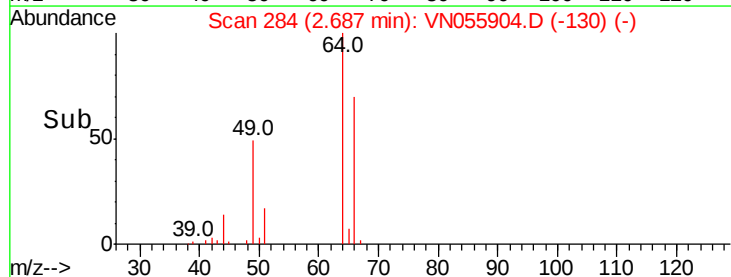
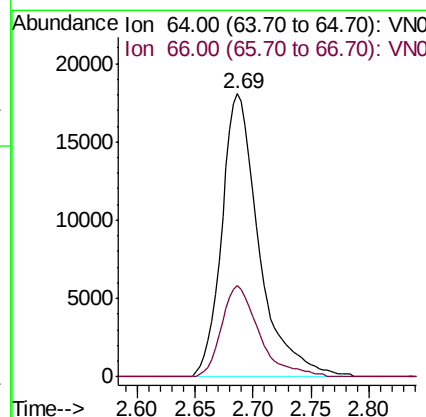
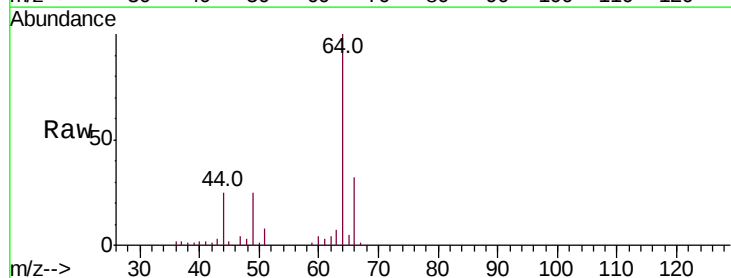
Acq: 30 May 2019 17:04

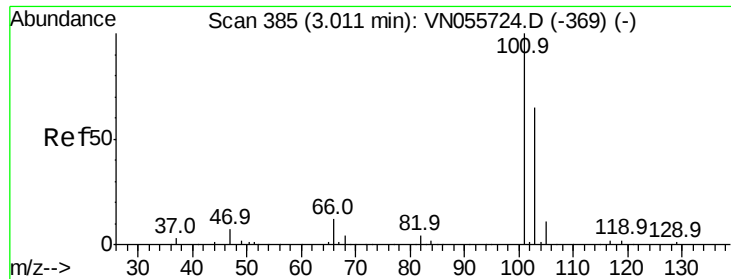
Tgt Ion: 64 Resp: 40281

Ion Ratio Lower Upper

64 100

66 32.1 27.9 41.9





#7

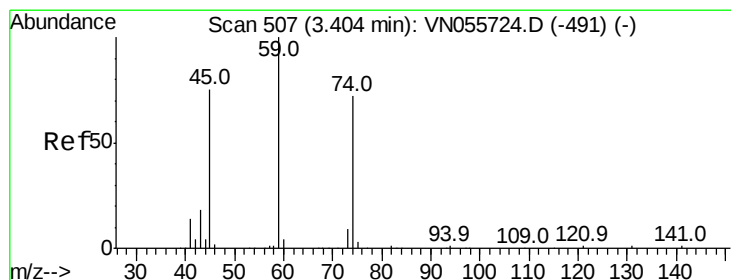
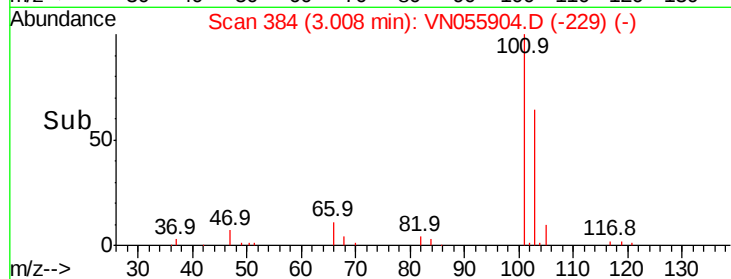
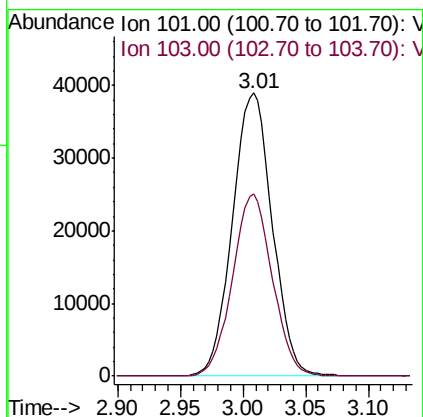
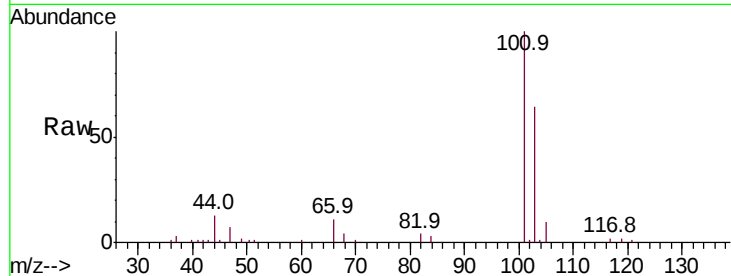
Trichlorofluoromethane
Concen: 20.875 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 86126
Ion Ratio Lower Upper
101 100
103 64.3 52.6 78.8

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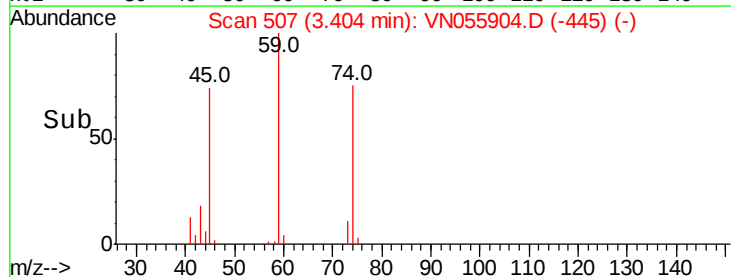
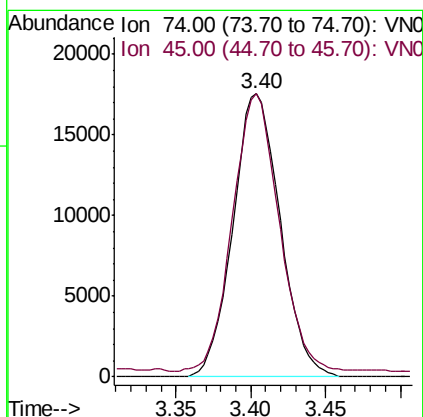
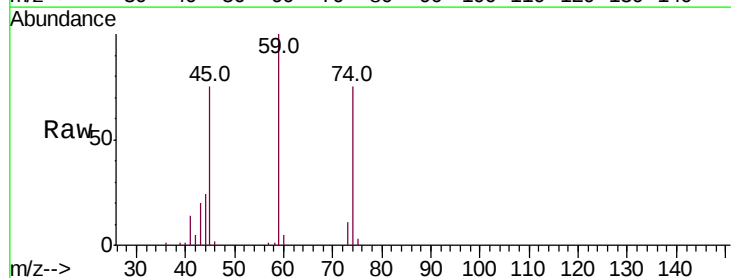
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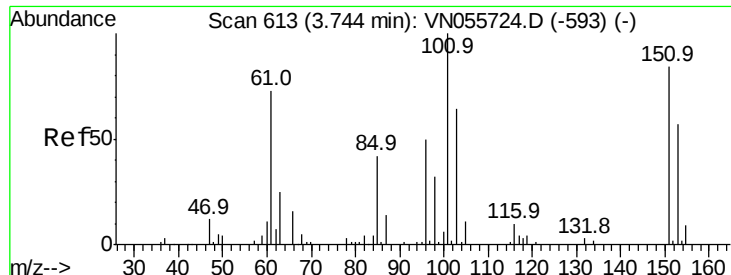


#8

Diethyl Ether
Concen: 21.233 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 74 Resp: 38512
Ion Ratio Lower Upper
74 100
45 96.8 20.4 184.0





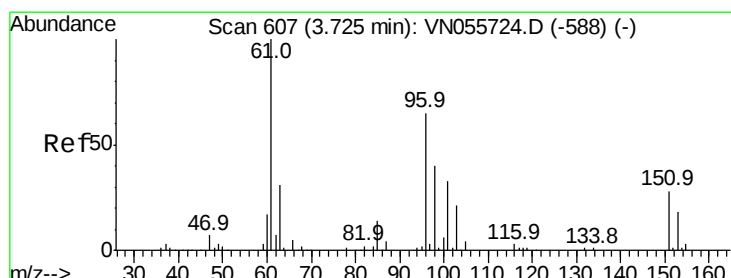
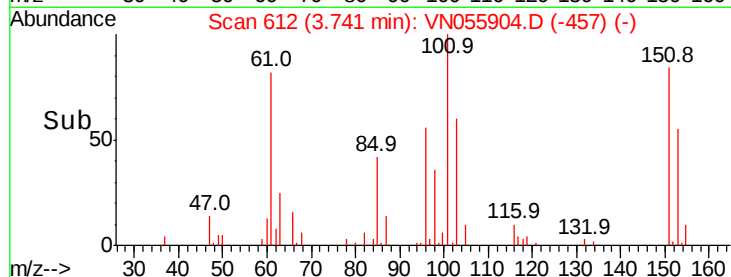
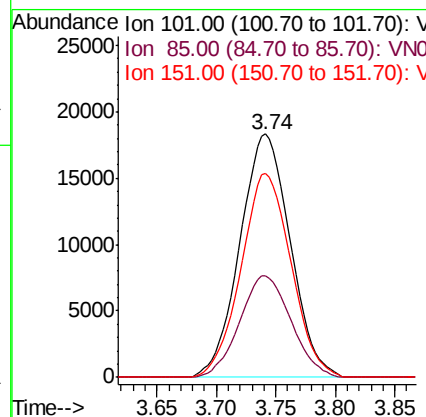
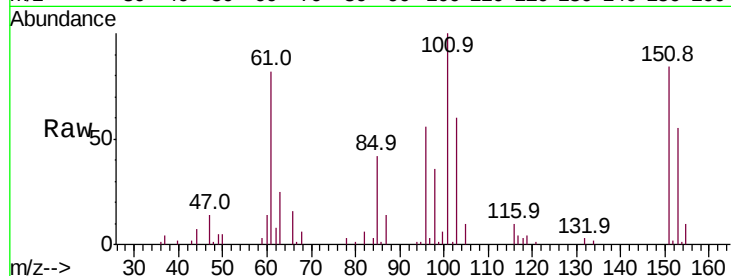
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.618 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	0.0	86.6
151	83.2	0.0	172.2

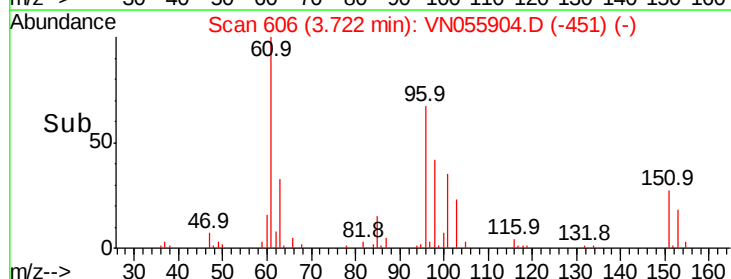
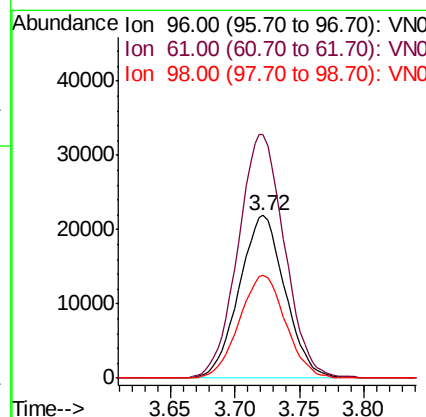
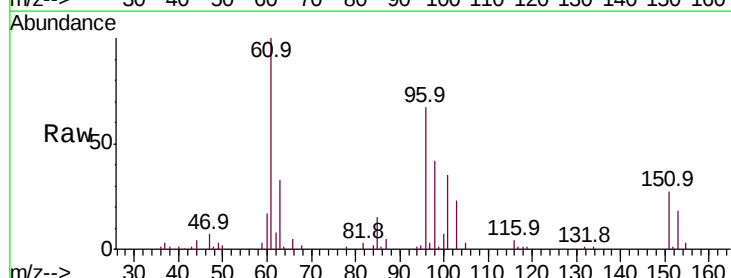
Manual Integrations
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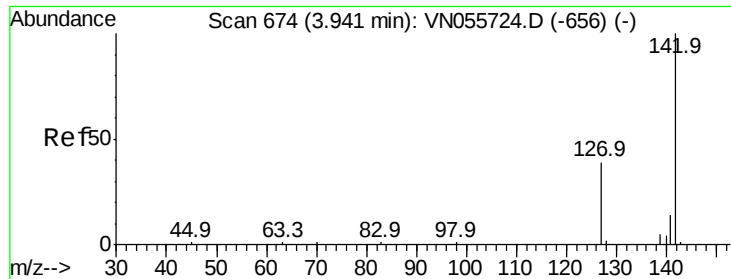
MMDadoda
 5/31/2019 9:38:45 AM



#10
 1,1-Dichloroethene
 Concen: 19.889 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	123.7	185.5
98	62.8	50.0	75.0





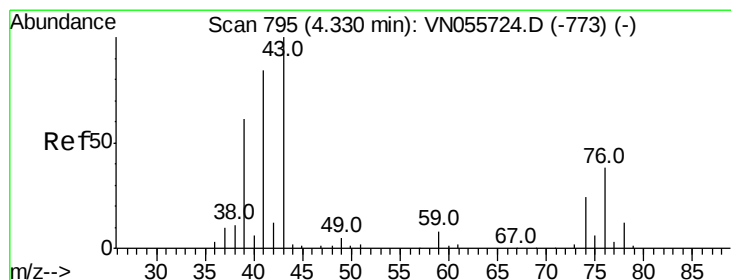
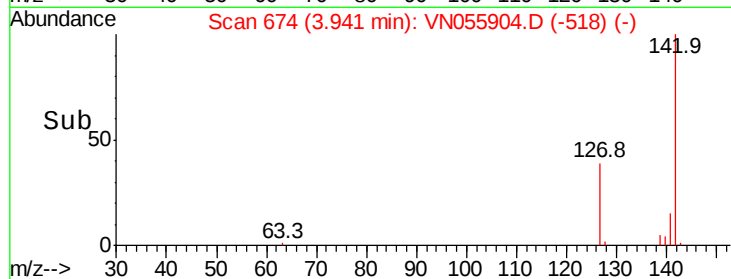
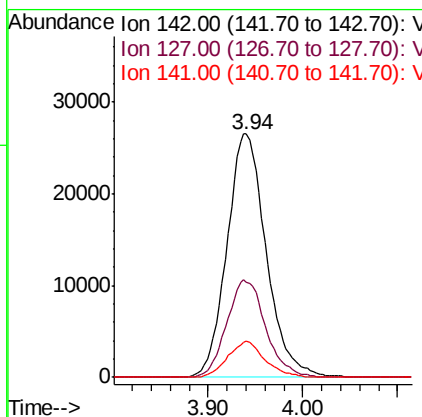
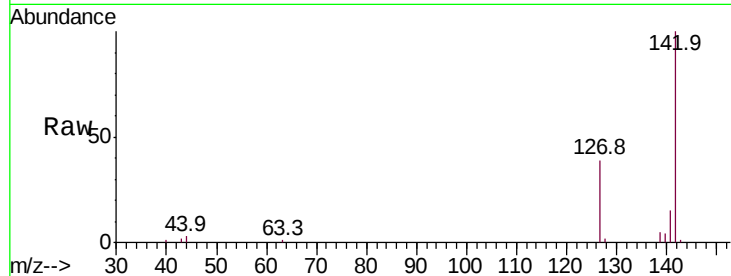
#11
Methyl Iodide
Concen: 19.664 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	19.6	58.7
141	14.7	6.9	20.6

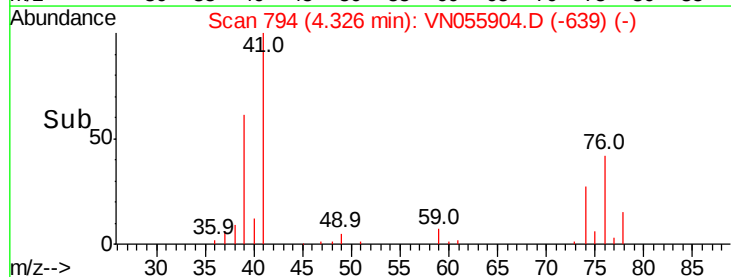
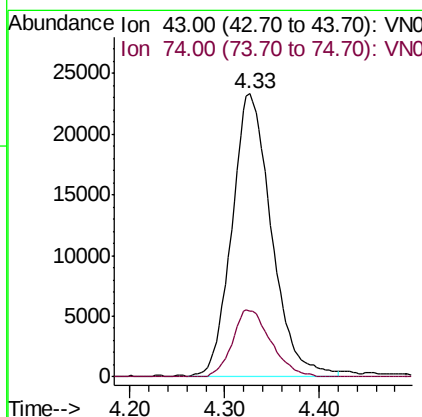
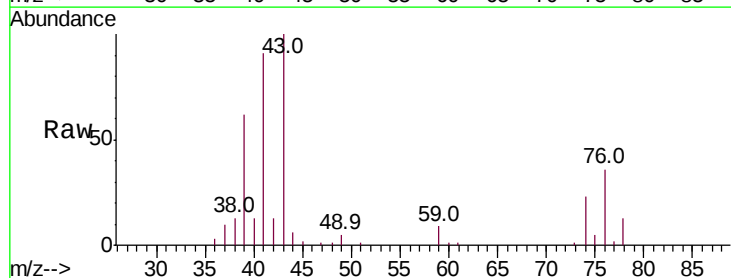
Manual Integrations
APPROVED

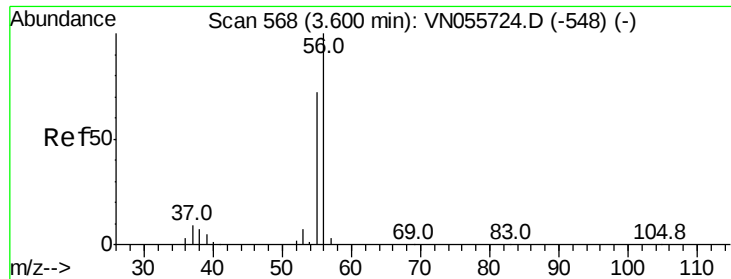
MMDadoda
5/31/2019 9:38:45 AM



#12
Methyl Acetate
Concen: 20.406 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





#13

Acrolein

Concen: 90.909 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 42131

Ion Ratio Lower Upper

56 100

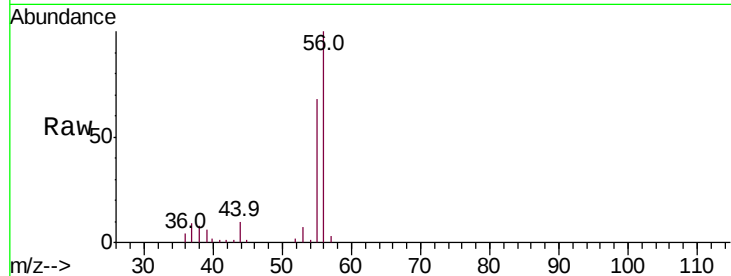
55 71.8 57.0 85.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.60

20000

15000

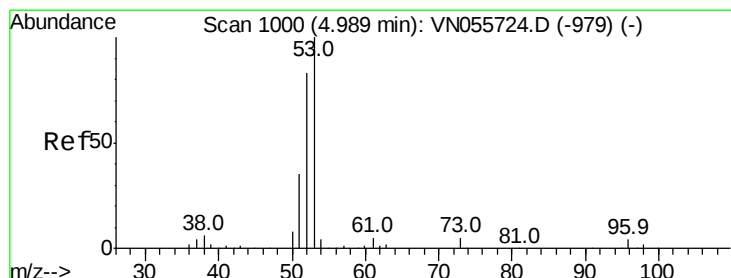
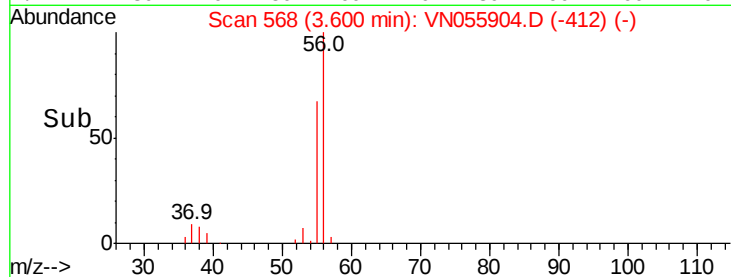
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 100.517 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

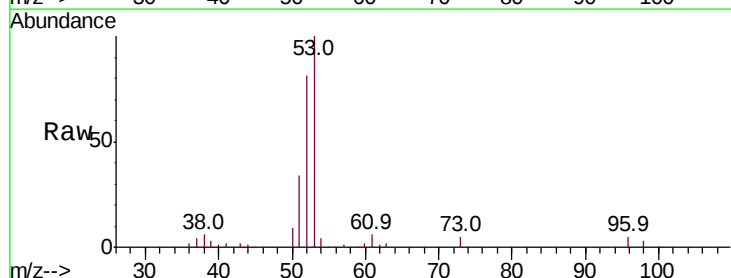
Tgt Ion: 53 Resp: 152850

Ion Ratio Lower Upper

53 100

52 81.9 41.1 123.4

51 35.1 17.5 52.6



Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

4.99

60000

50000

40000

30000

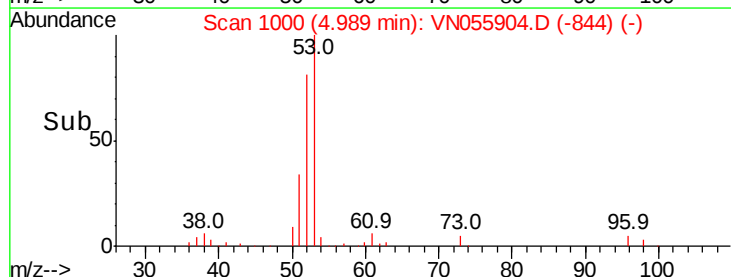
20000

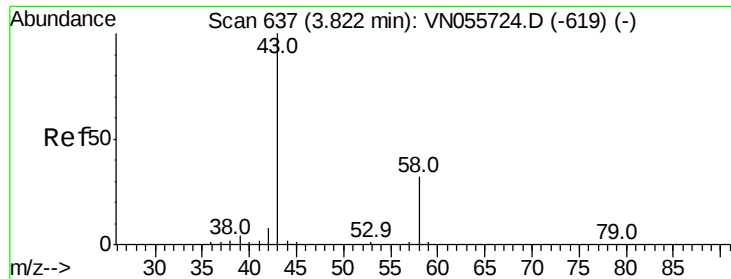
10000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 102.285 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 48305

Ion Ratio Lower Upper

58 100

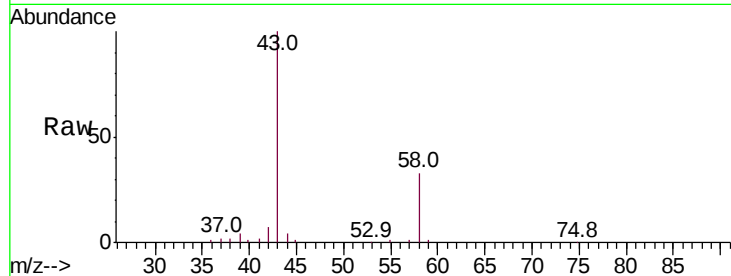
43 300.3 248.8 373.2

Manual Integrations

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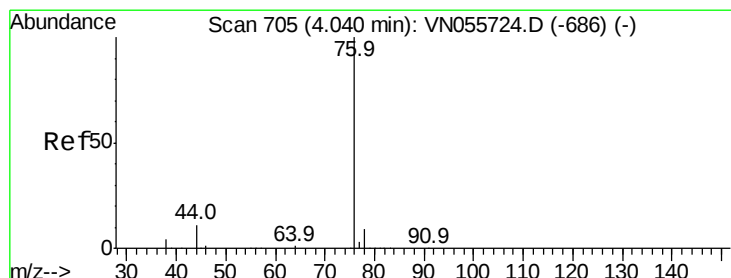
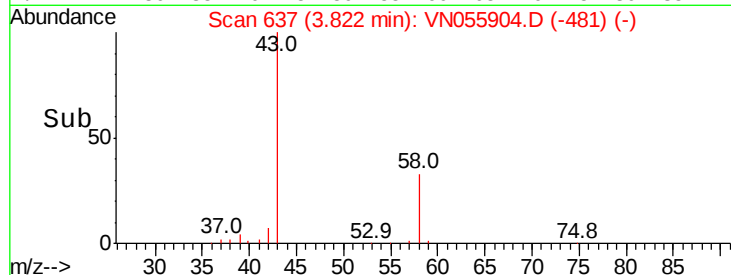
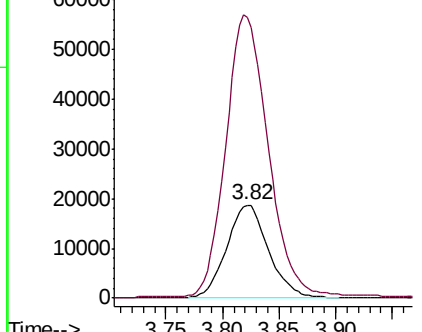
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.521 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055904.D

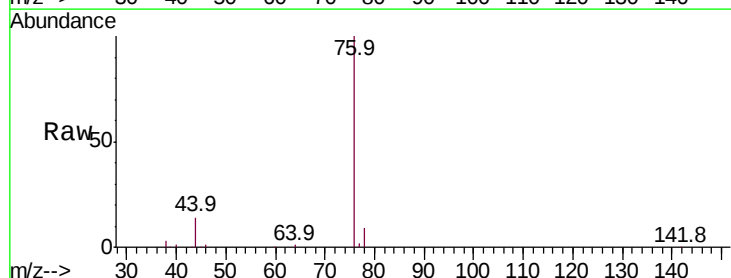
Acq: 30 May 2019 17:04

Tgt Ion: 76 Resp: 129176

Ion Ratio Lower Upper

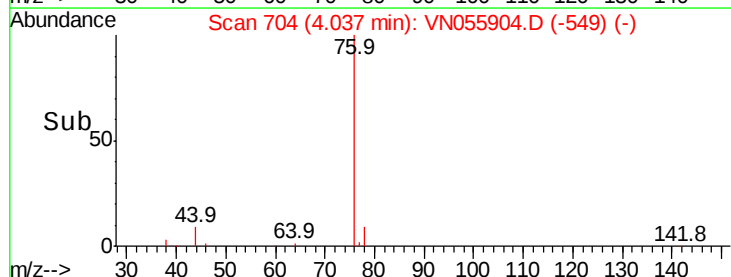
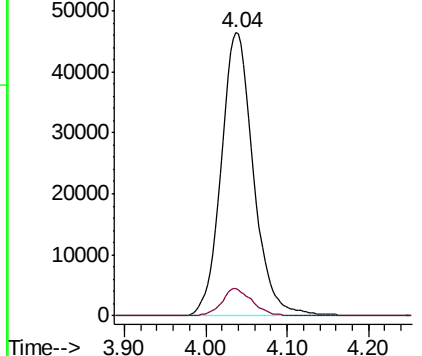
76 100

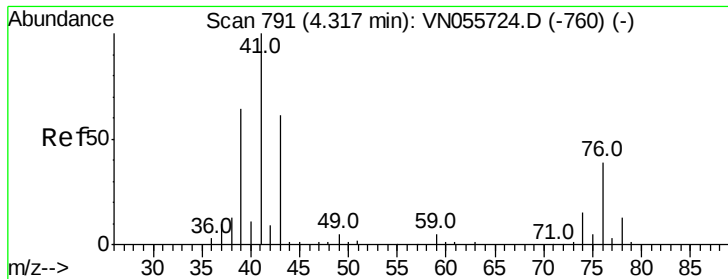
78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.293 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

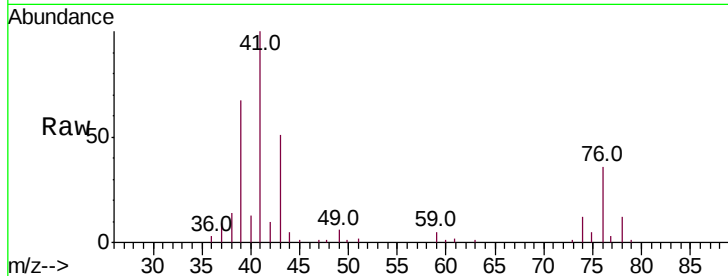
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	89850
Ion Ratio	Lower	Upper	
41	100		
39	67.1	31.8	95.3
76	36.2	19.3	57.9

Manual Integrations
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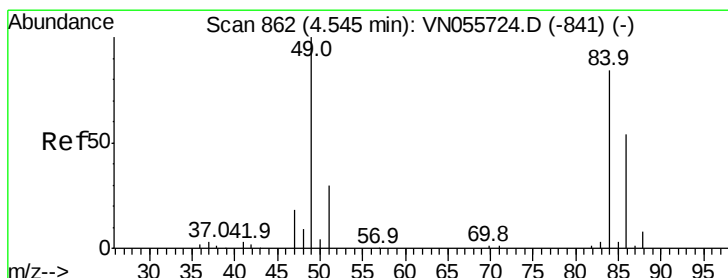
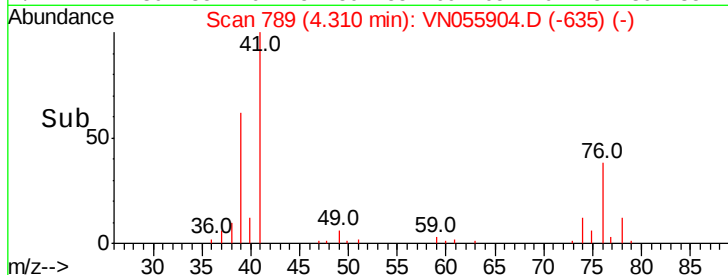
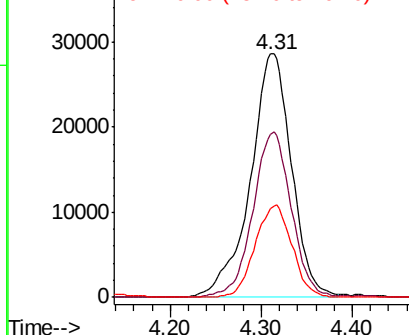


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 20.306 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	84	Resp:	63422
Ion Ratio	Lower	Upper	
84	100		
49	116.2	94.7	142.1
51	33.1	28.6	43.0
86	63.0	51.0	76.6

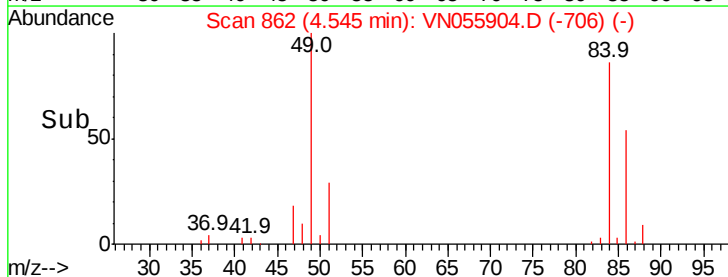
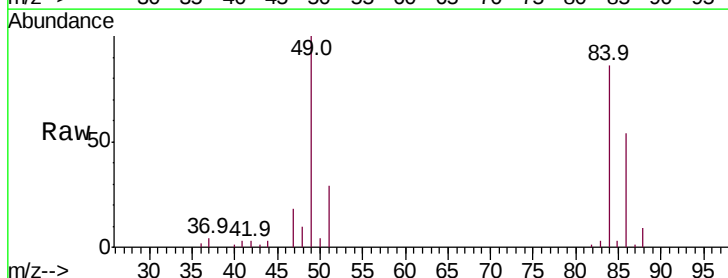
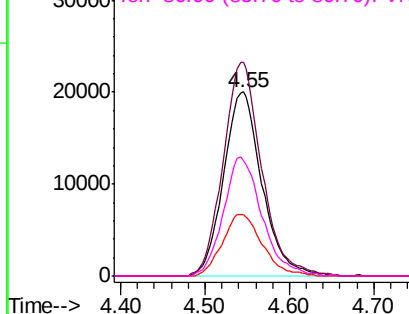
Abundance

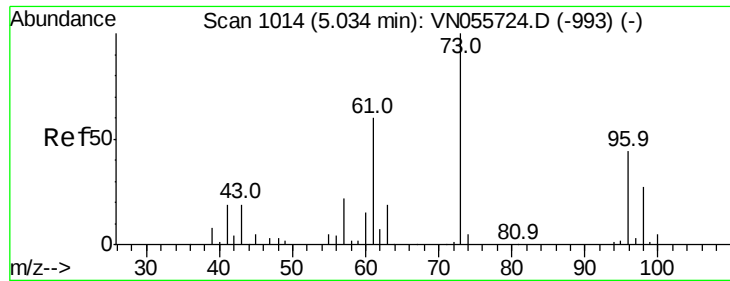
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





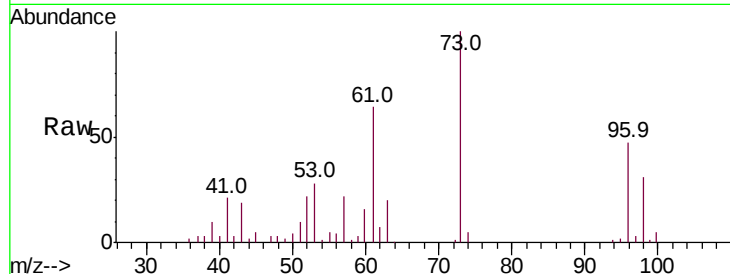
#19
trans-1,2-Dichloroethene
Concen: 19.520 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	108.5	162.7
98	66.5	49.4	74.2

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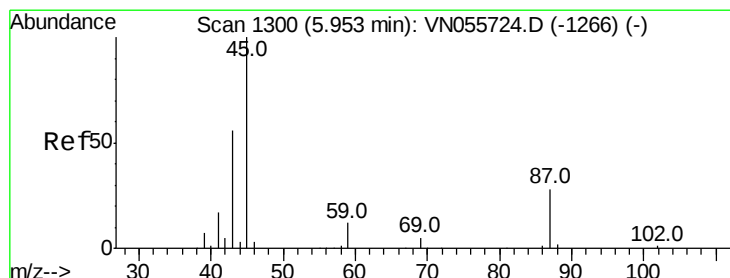
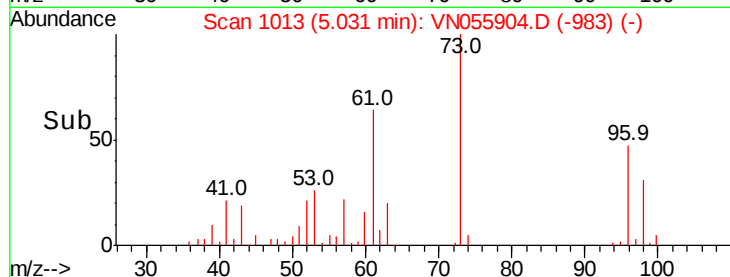
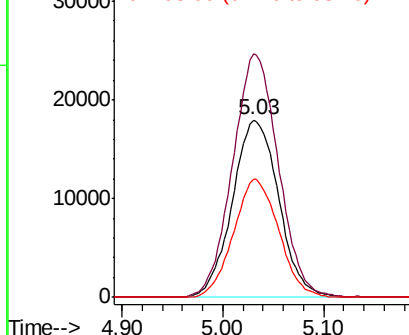


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 19.646 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.6	73.0
87	27.5	22.6	34.0
59	12.2	9.4	14.2

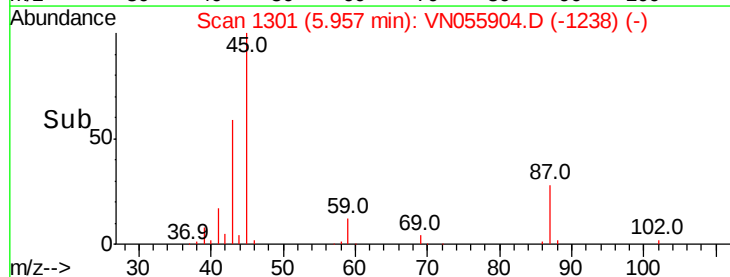
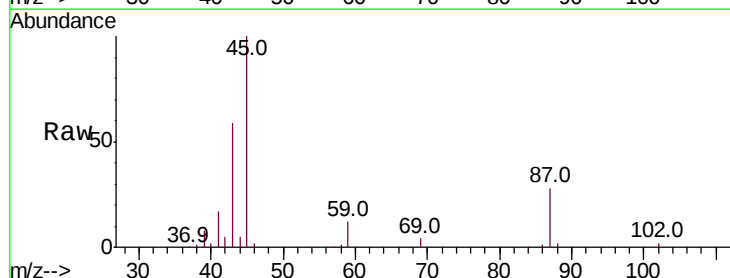
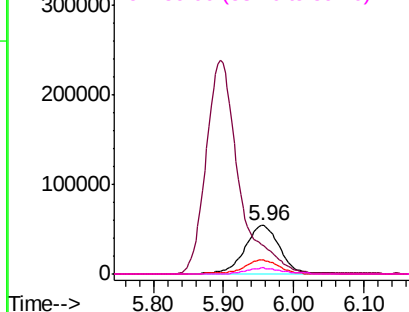
Abundance

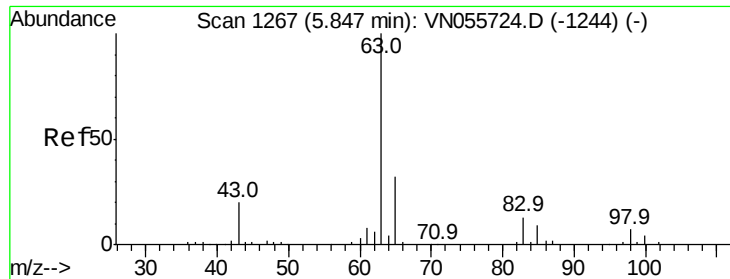
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





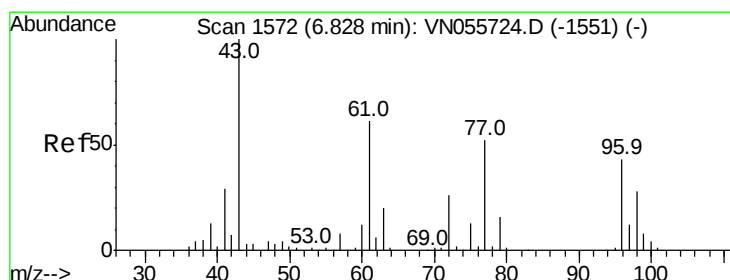
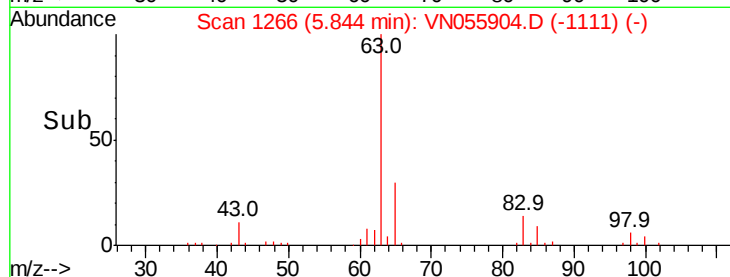
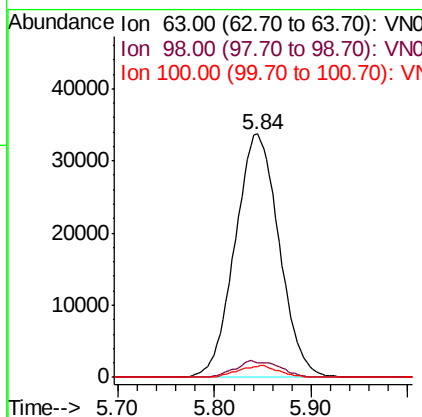
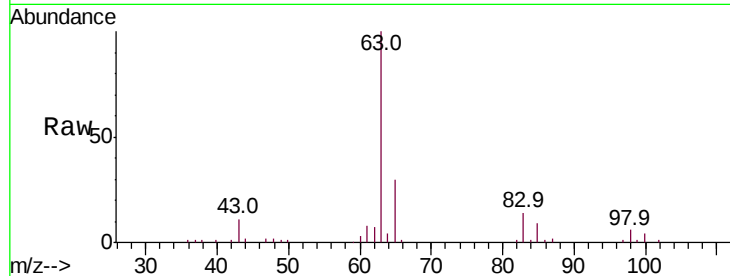
#21
 1,1-Dichloroethane
 Concen: 19.834 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2	3.4	10.2	
100	4.4	2.2	6.6	

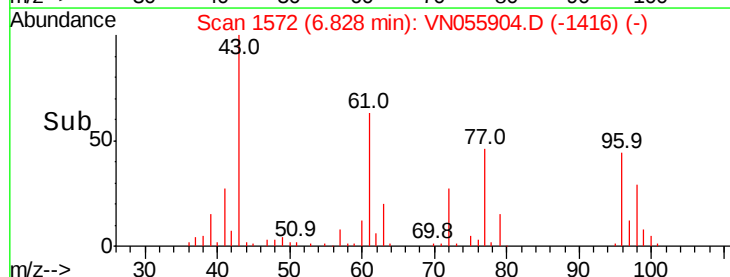
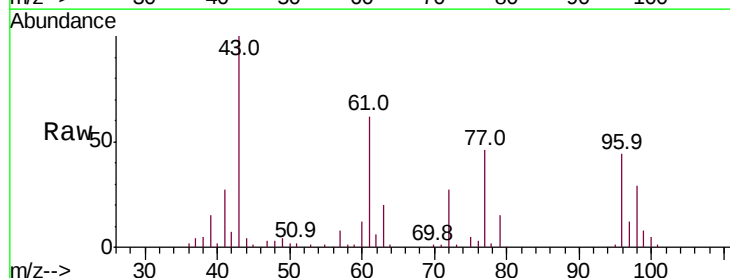
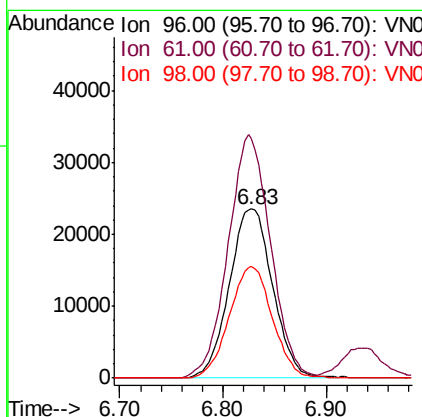
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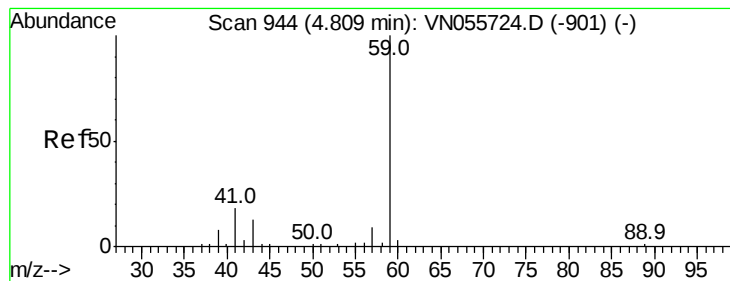
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#22
 cis-1,2-Dichloroethene
 Concen: 20.140 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.5	115.7	173.5	
98	65.2	51.5	77.3	





#23

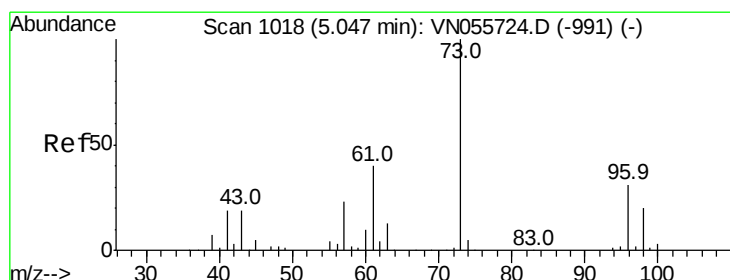
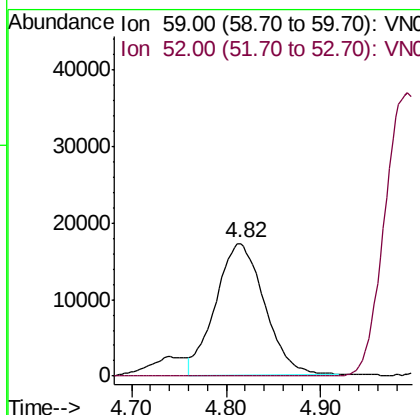
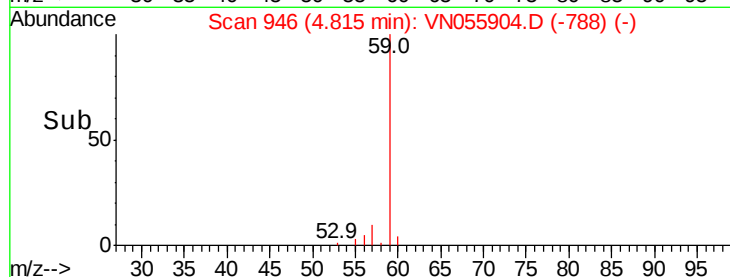
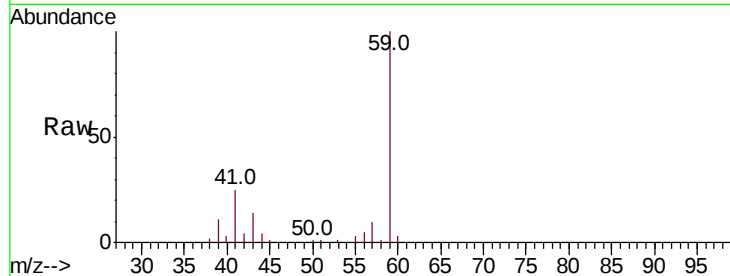
tert-Butyl Alcohol
 Concen: 92.323 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 61656
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

Manual Integrations
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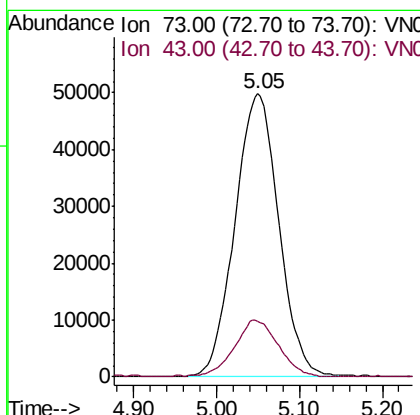
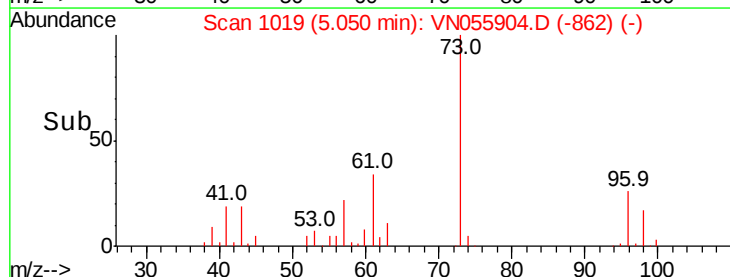
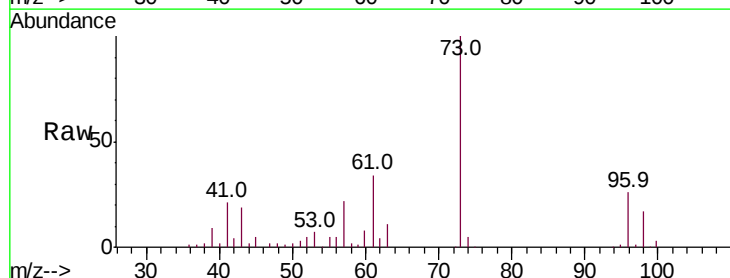
MMDadoda
 5/31/2019 9:38:45 AM

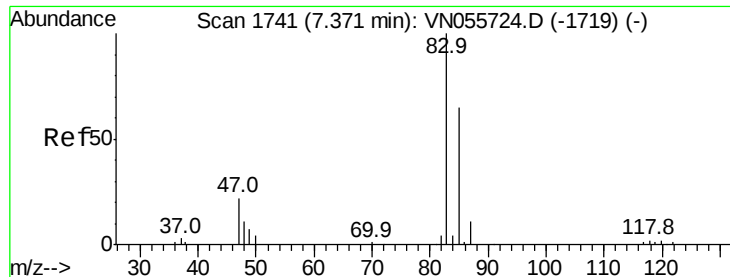


#24

Methyl tert-Butyl Ether
 Concen: 19.795 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 73 Resp: 183174
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.7 23.5





#25

Chloroform

Concen: 20.035 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 106560

Ion Ratio Lower Upper

83 100

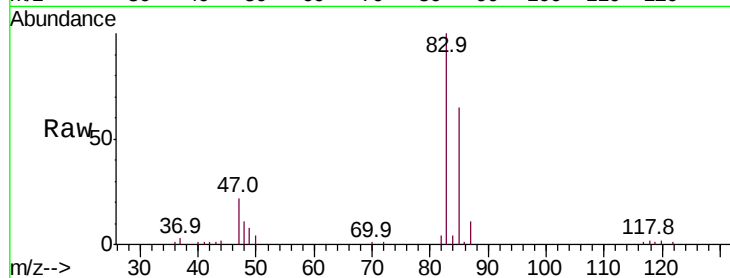
85 65.2 51.7 77.5

Manual Integrations

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5/31/2019 9:38:45 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

40000

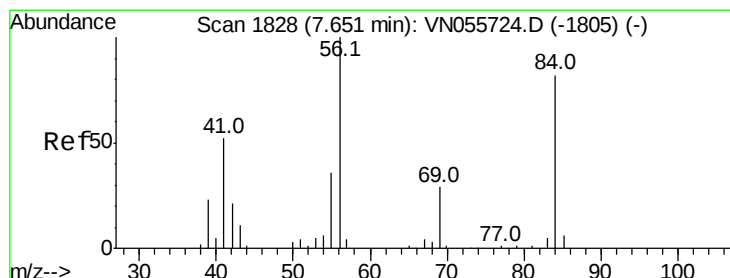
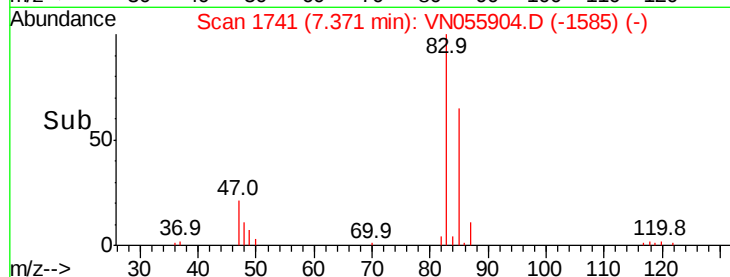
30000

20000

10000

0

Time-->



#26

Cyclohexane

Concen: 19.109 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

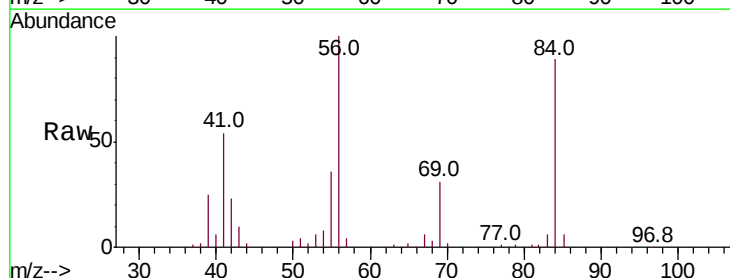
Tgt Ion: 56 Resp: 94934

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.8 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

60000

50000

40000

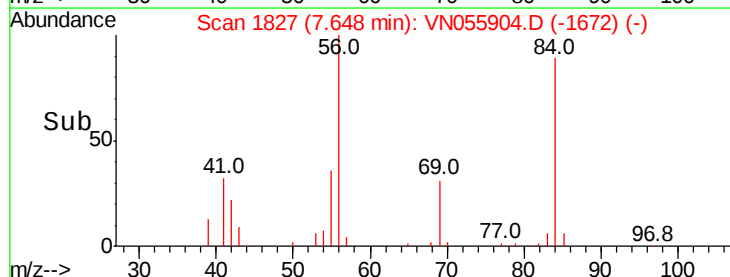
30000

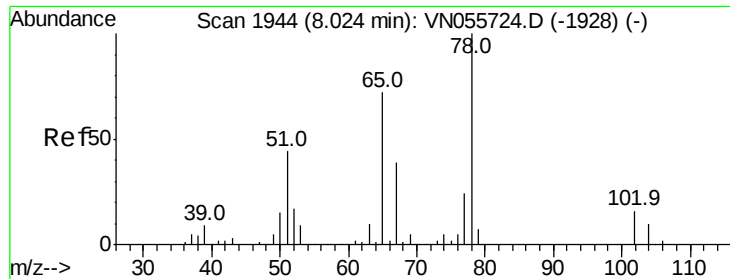
20000

10000

0

Time-->





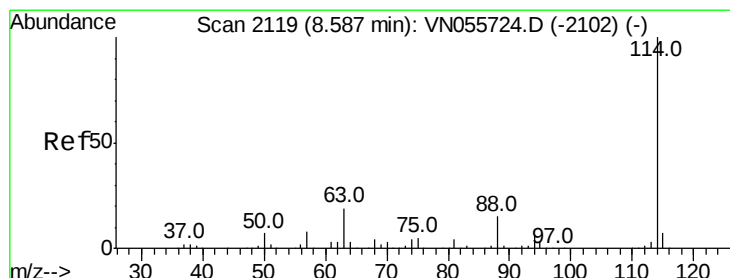
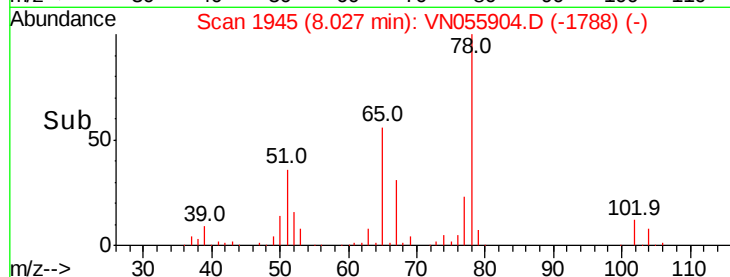
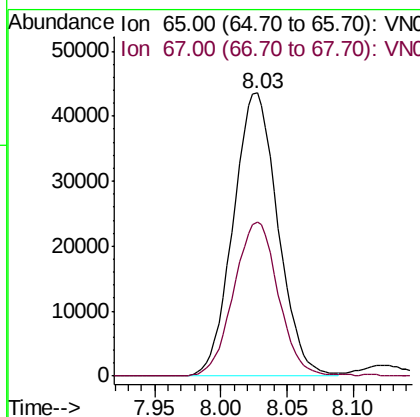
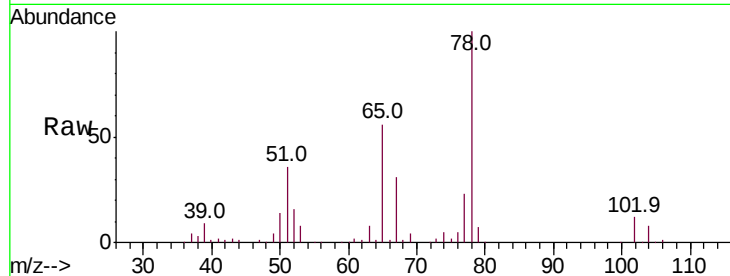
#27
 1,2-Dichloroethane-d4
 Concen: 30.214 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	43.5	65.3

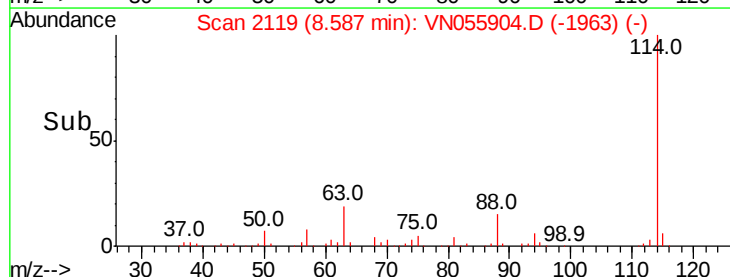
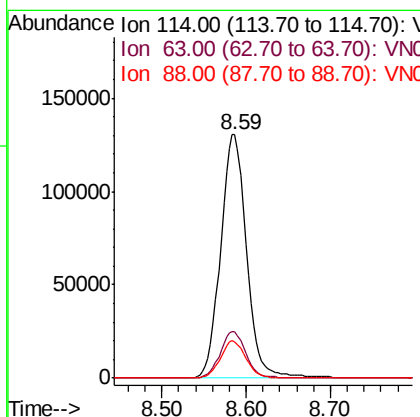
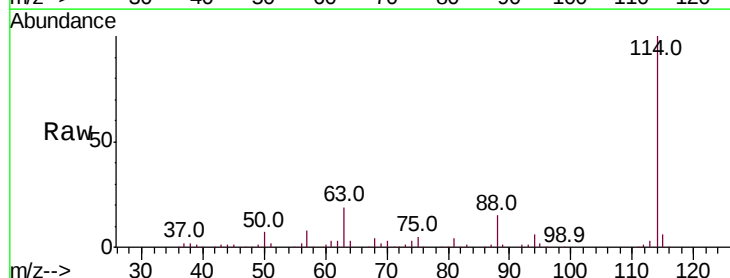
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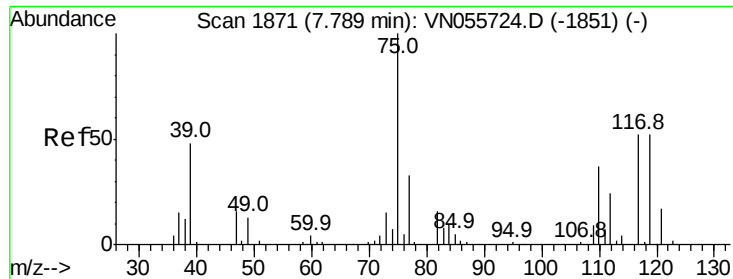
MMDadoda
 5/31/2019 9:38:45 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	15.6	23.4
88	14.9	12.3	18.5





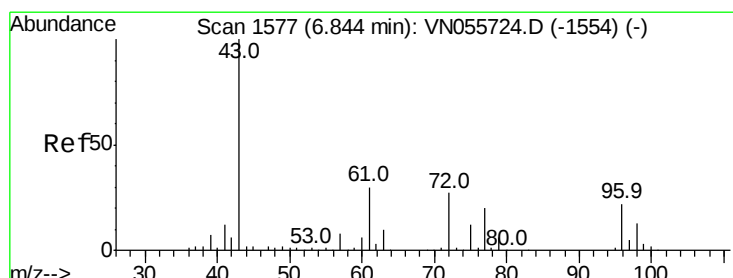
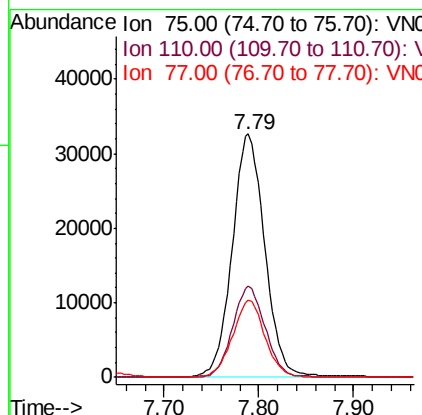
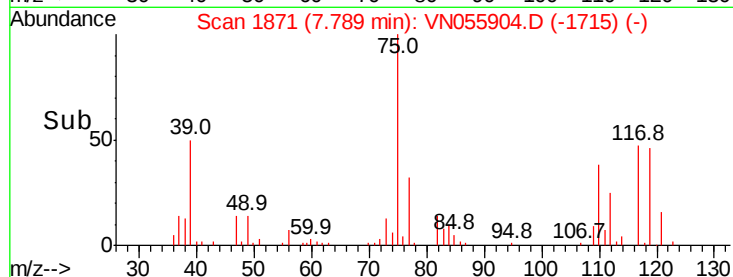
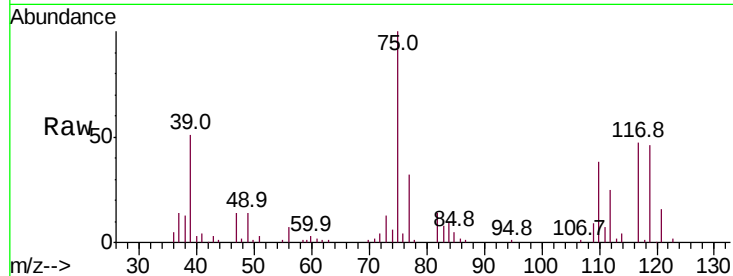
#29
 1,1-Dichloropropene
 Concen: 20.069 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.3	0.0	74.8
77	31.5	0.0	65.2

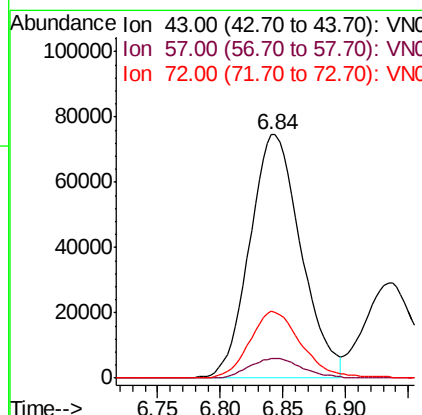
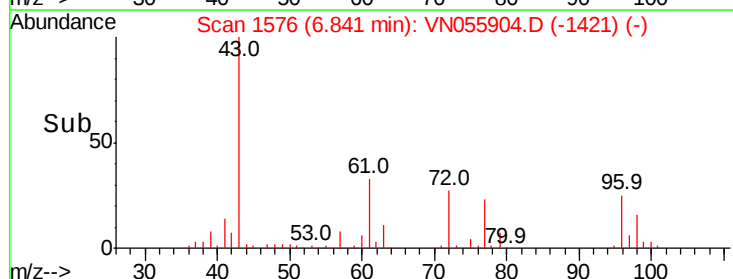
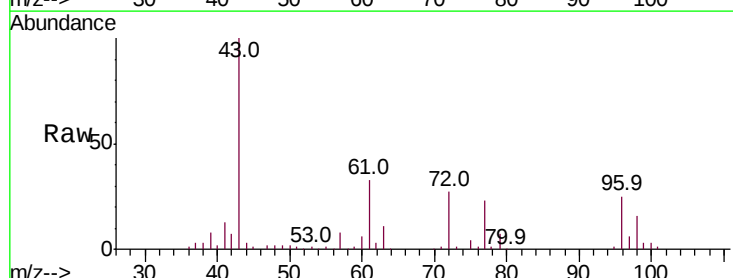
Manual Integrations
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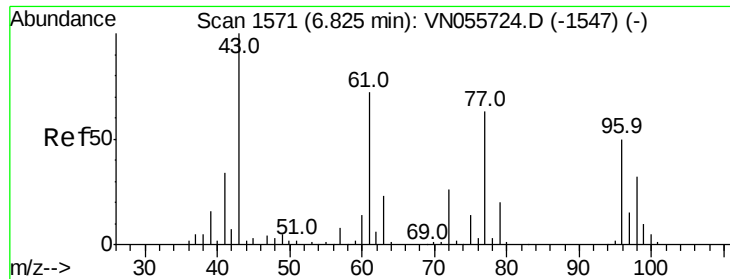
MMDadoda
 5/31/2019 9:38:45 AM



#30
 2-Butanone
 Concen: 101.544 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.6	10.0
72	27.9	21.7	32.5





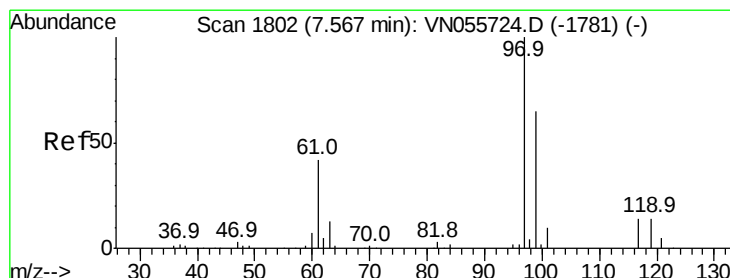
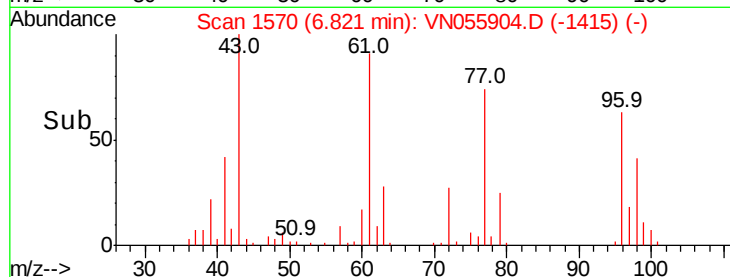
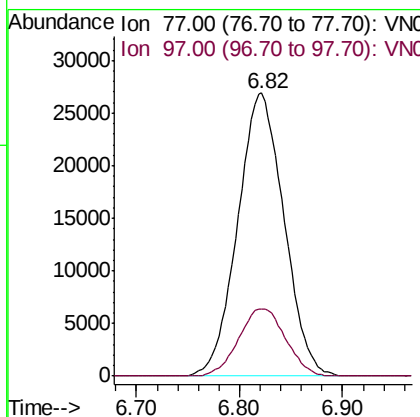
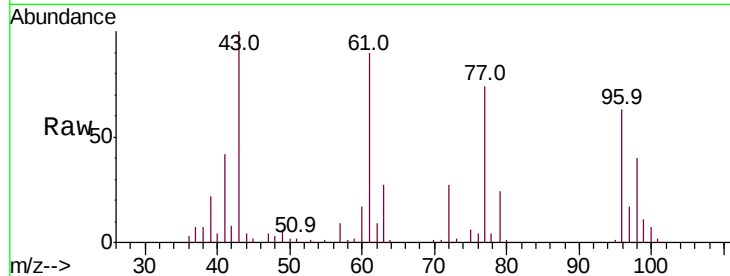
#31
 2,2-Dichloropropane
 Concen: 18.469 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 83827
 Ion Ratio Lower Upper
 77 100
 97 24.2 19.2 28.8

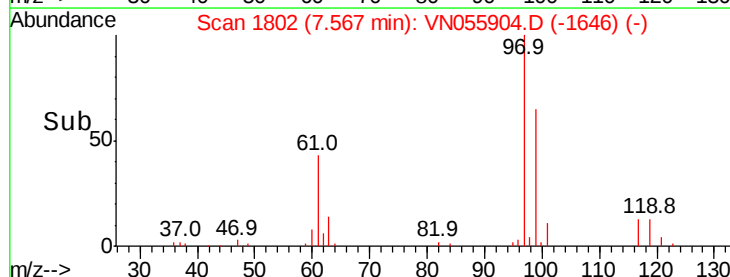
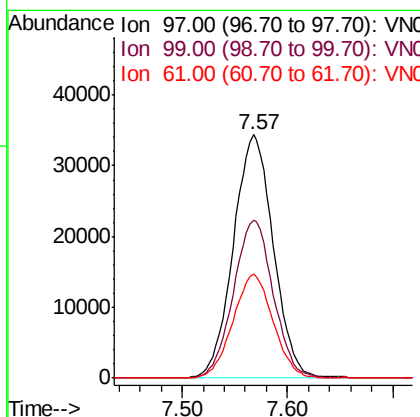
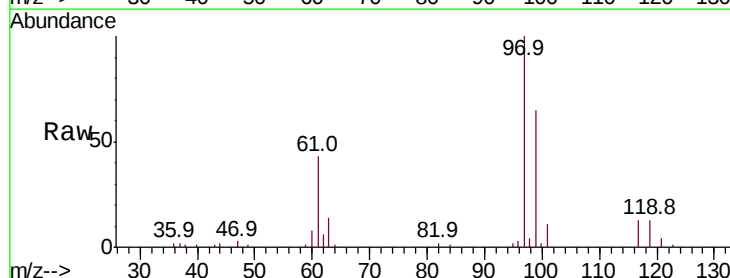
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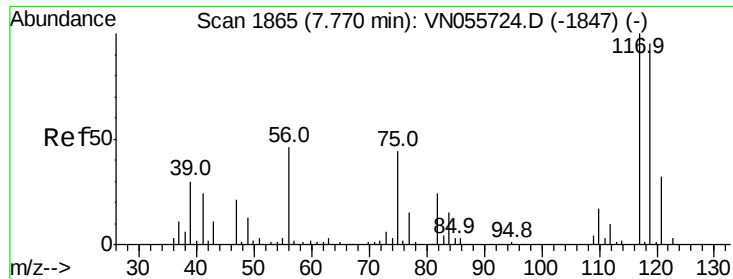
MMDadoda
 5/31/2019 9:38:45 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.607 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 97 Resp: 90645
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.7 77.5
 61 42.7 33.1 49.7





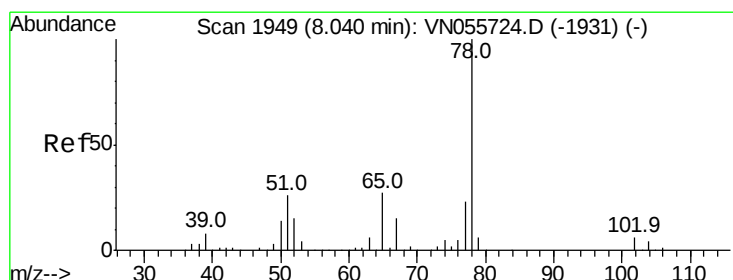
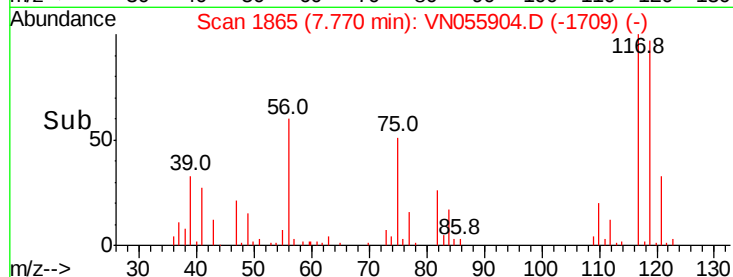
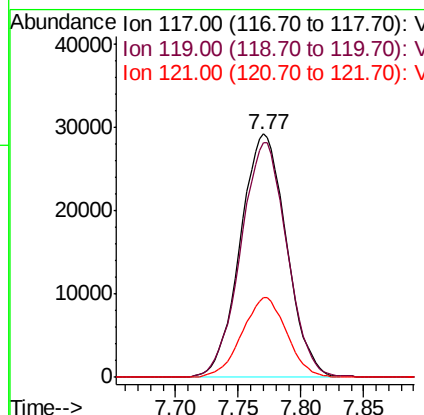
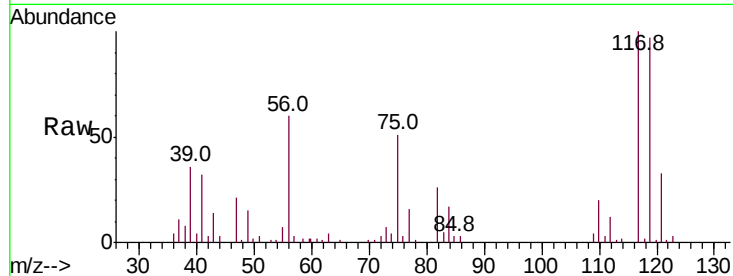
#33
Carbon Tetrachloride
Concen: 18.059 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
121	33.1	25.4	38.0

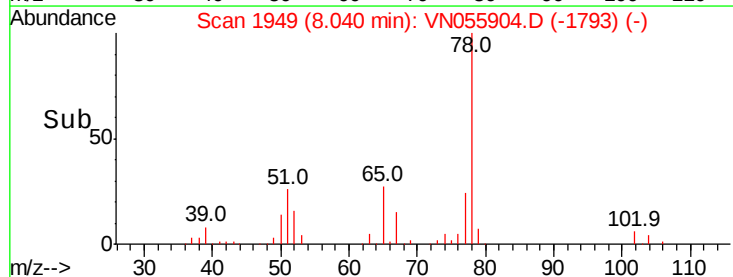
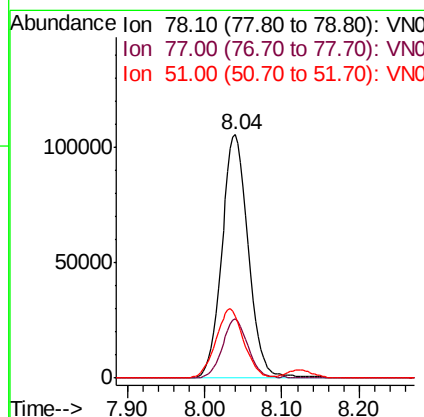
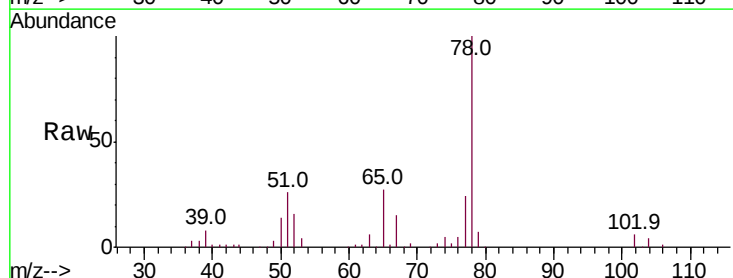
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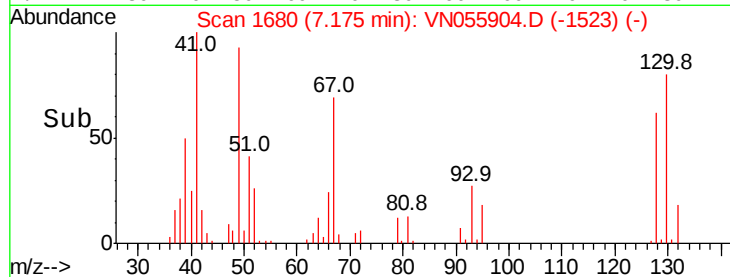
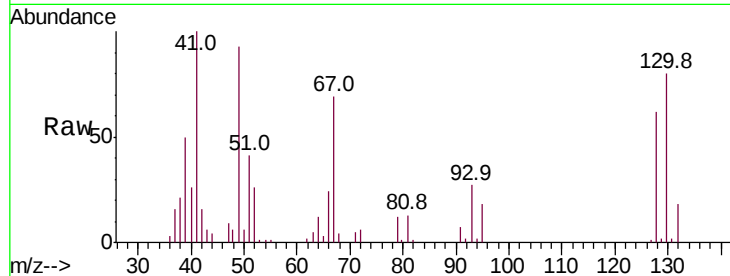
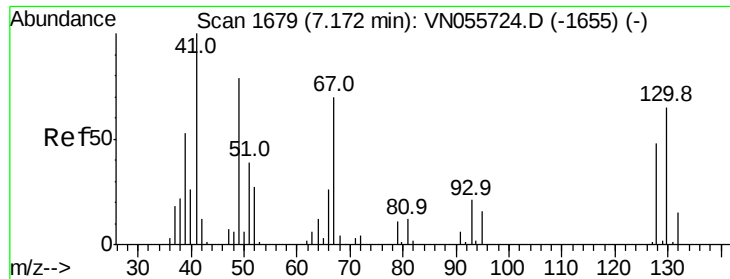
MMDadoda
5/31/2019 9:38:45 AM



#34
Benzene
Concen: 20.788 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2
51	25.5	20.6	31.0





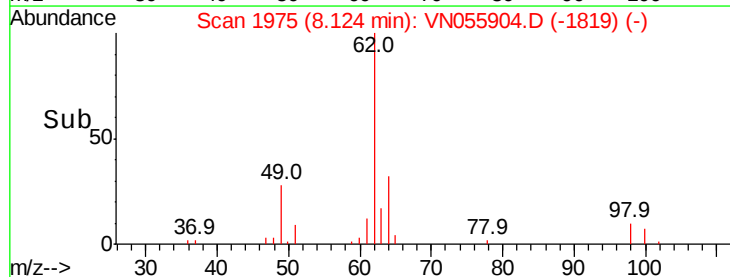
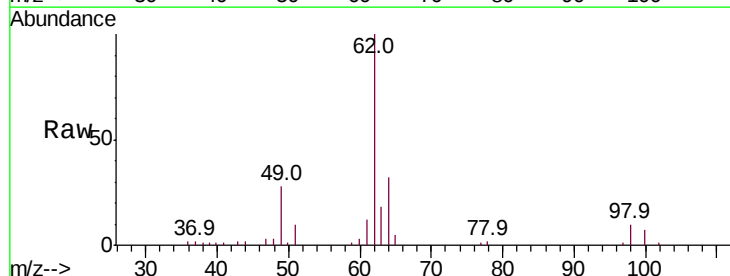
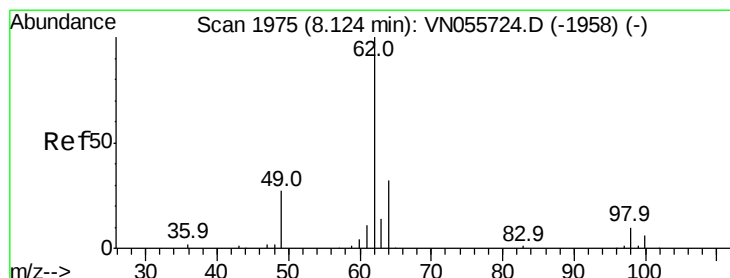
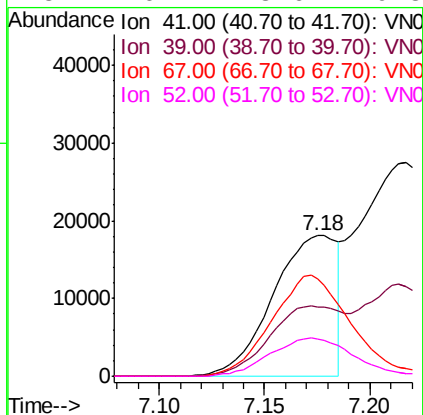
#35
Methacrylonitrile
Concen: 19.973 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	26.7	80.1
67	69.3	34.9	104.7
52	26.4	13.6	40.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

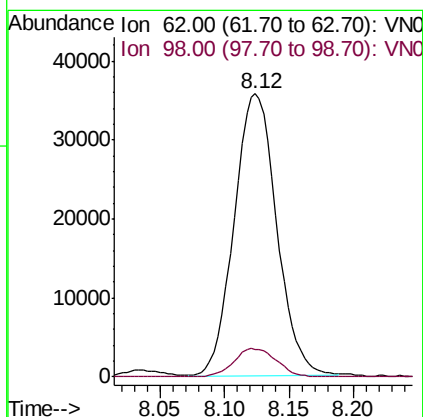
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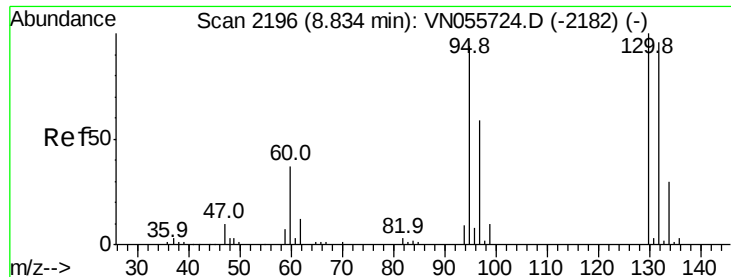
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#36
1,2-Dichloroethane
Concen: 20.829 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.2	12.2





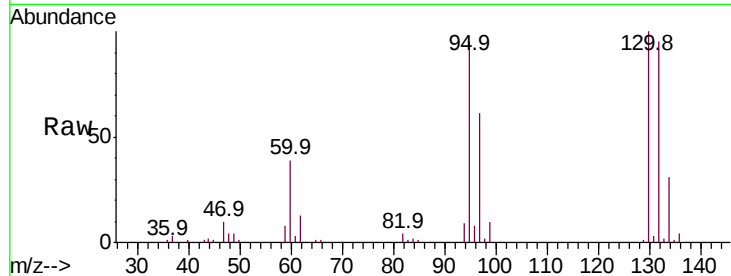
#37
 Trichloroethene
 Concen: 19.905 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

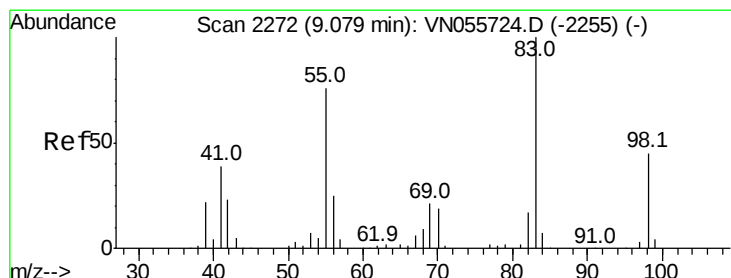
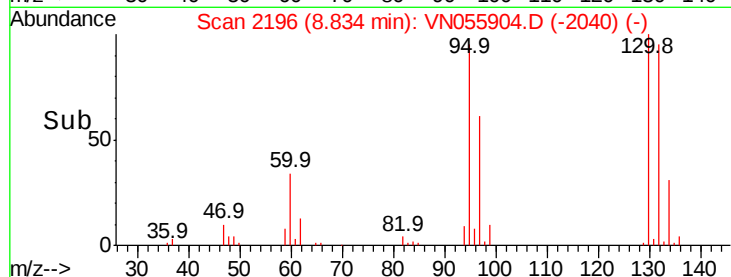
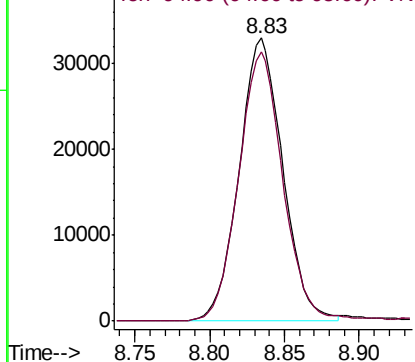
Tot Ion:130 Resp: 66877
 Ion Ratio Lower Upper
 130 100
 95 95.2 75.6 113.4

Manual Integrations
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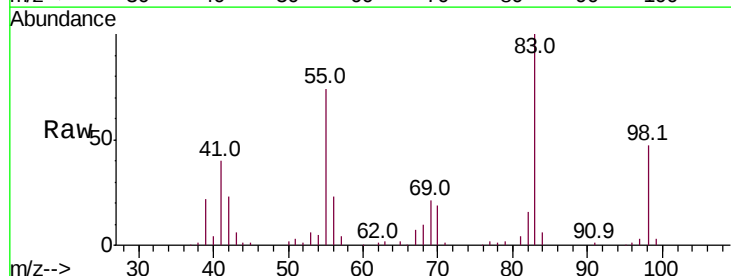


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN0

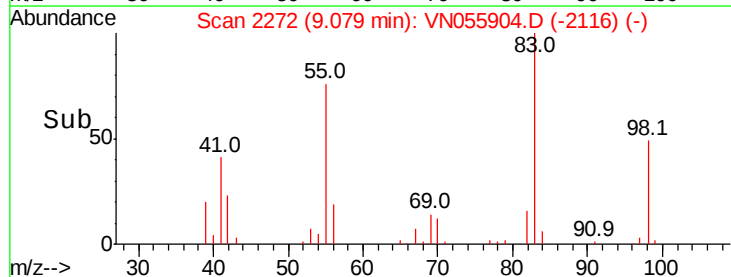
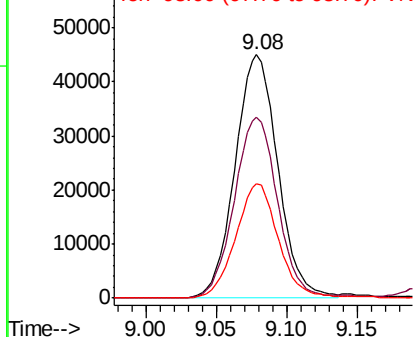


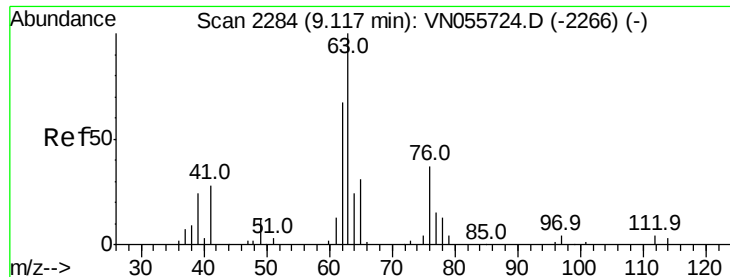
#38
 Methylcyclohexane
 Concen: 19.384 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion: 83 Resp: 95790
 Ion Ratio Lower Upper
 83 100
 55 74.8 37.8 113.4
 98 46.4 22.6 67.8



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





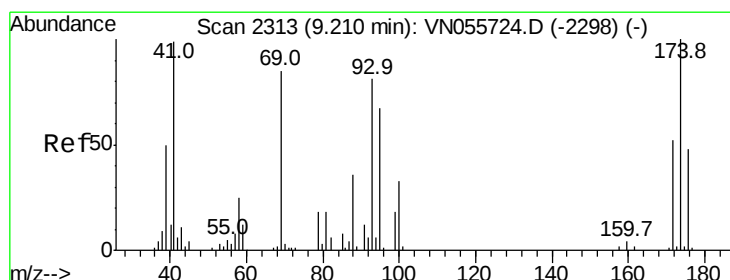
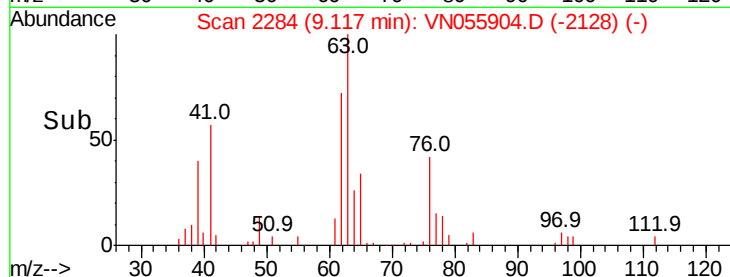
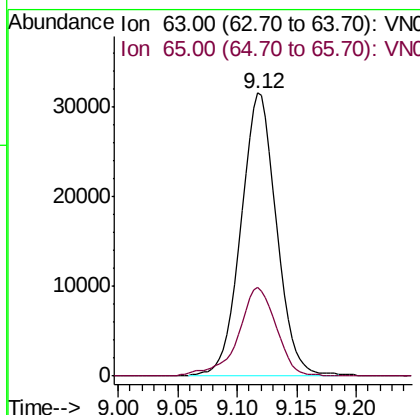
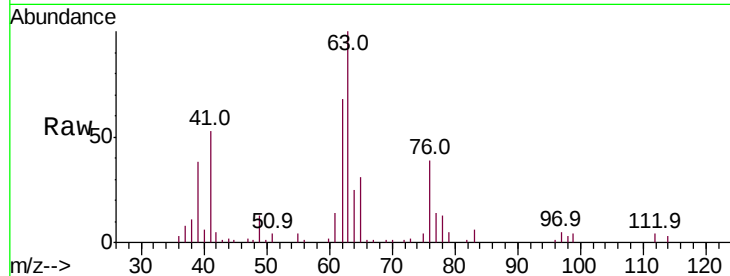
#39
 1,2-Dichloropropane
 Concen: 20.188 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.8	38.8

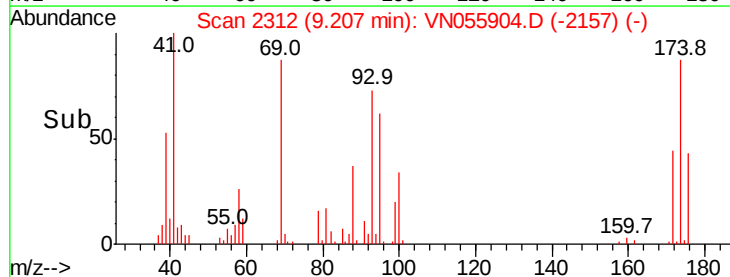
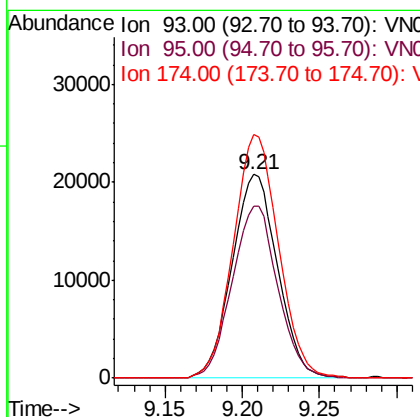
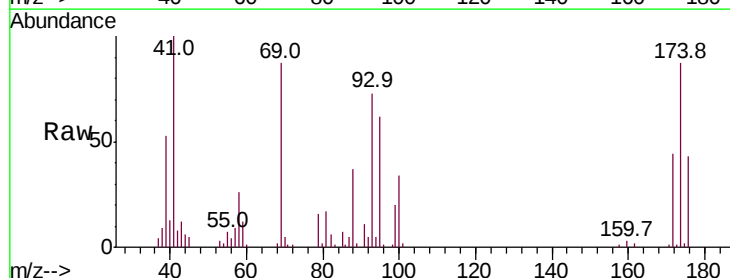
Manual Integrations
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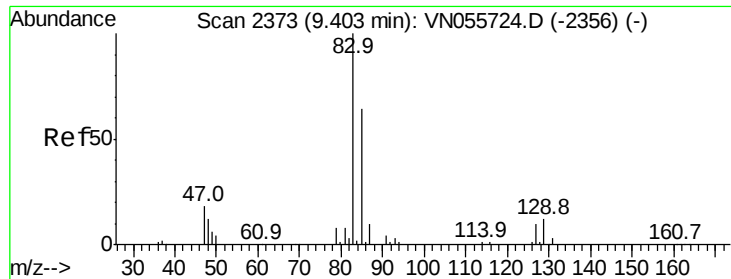
MMDadoda
 5/31/2019 9:38:45 AM



#40
 Dibromomethane
 Concen: 20.310 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	0.0	170.6
174	119.0	0.0	248.4





#41

Bromodichloromethane

Concen: 18.524 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

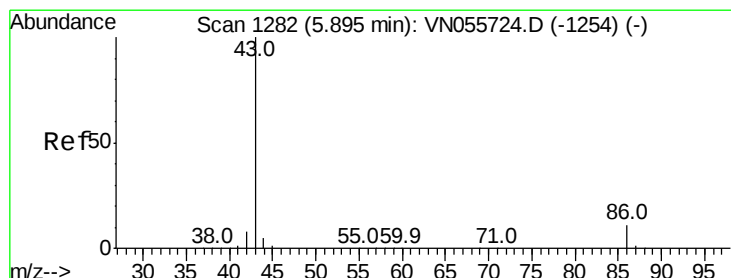
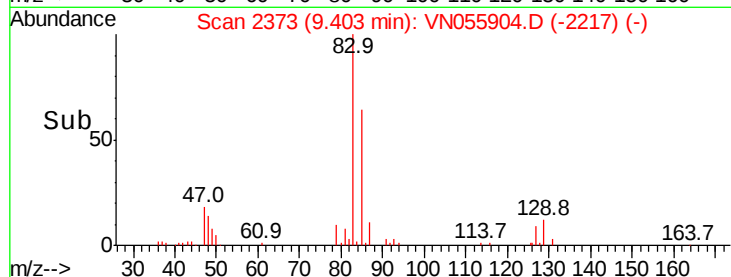
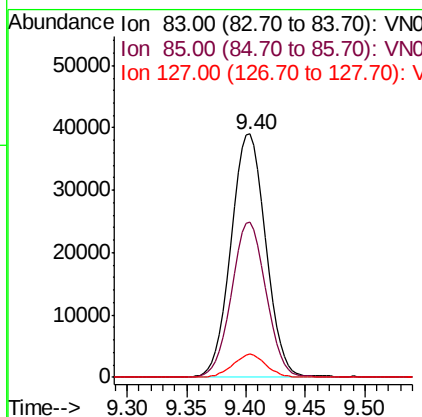
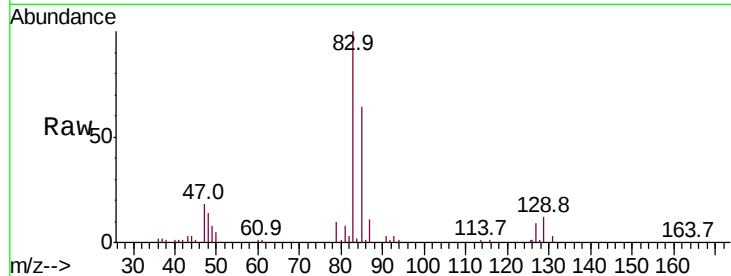
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	79359
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.4	77.0
127	9.5	7.7	11.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 96.077 ug/l

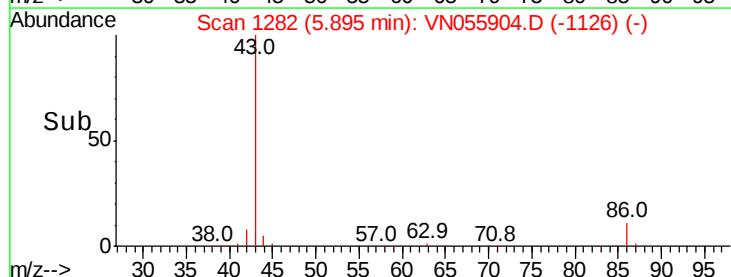
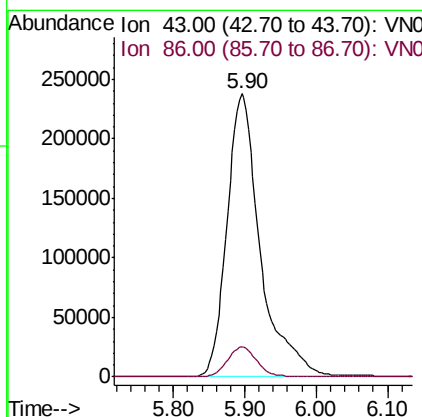
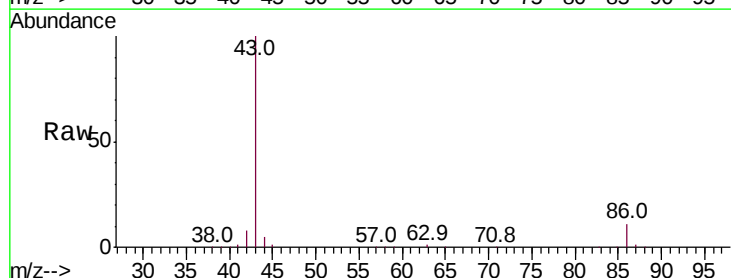
RT: 5.90 min Scan# 1282

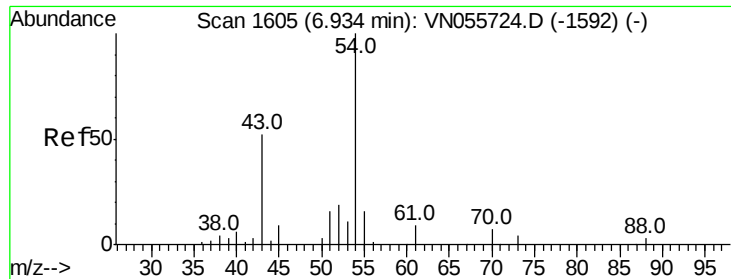
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	43	Resp:	775496
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.4	11.2





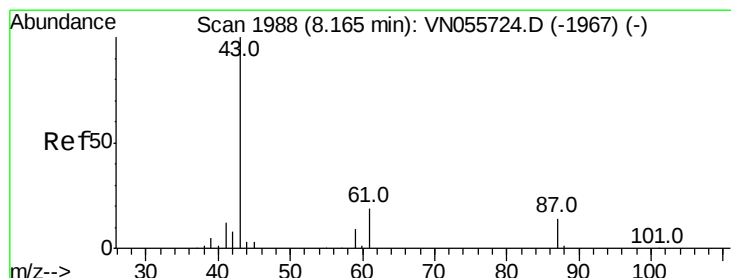
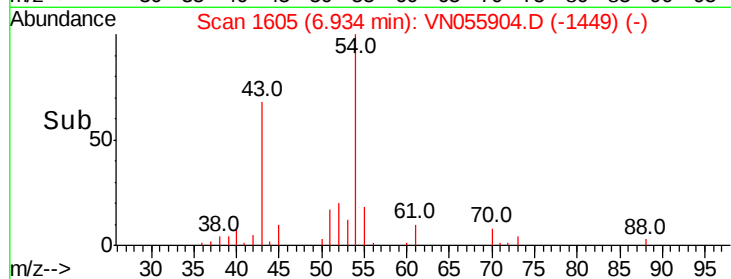
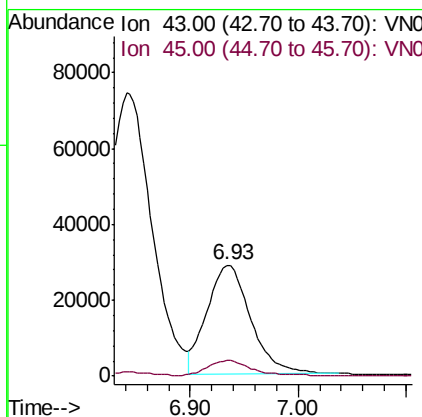
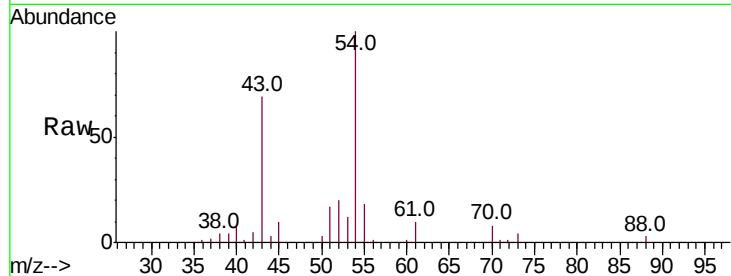
#43
Ethyl Acetate
Concen: 19.956 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 81549
Ion Ratio Lower Upper
43 100
45 15.1 0.0 0.0#

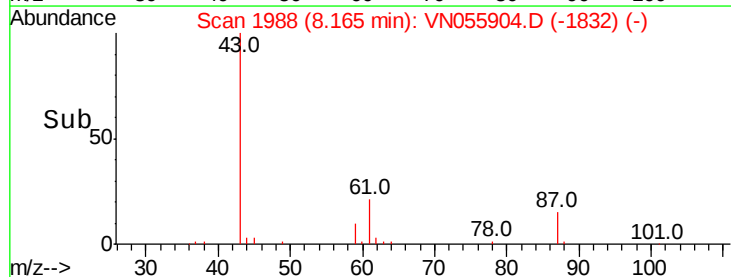
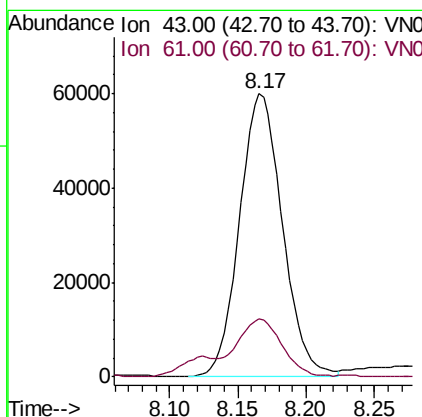
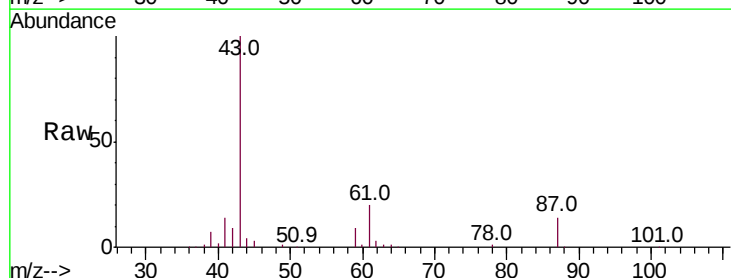
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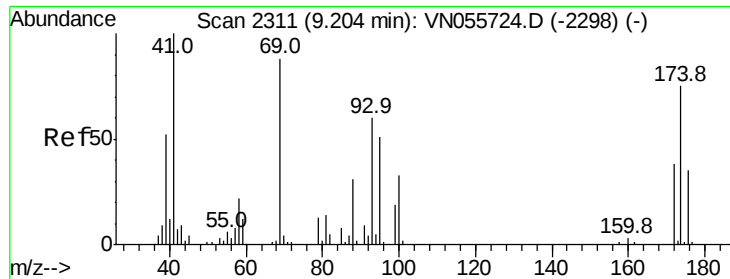
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#44
Isopropyl Acetate
Concen: 19.244 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 43 Resp: 130218
Ion Ratio Lower Upper
43 100
61 20.7 22.1 33.1#





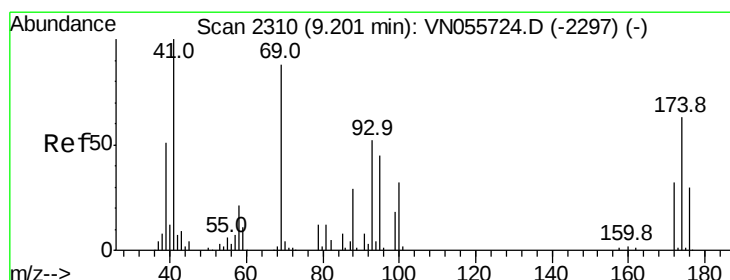
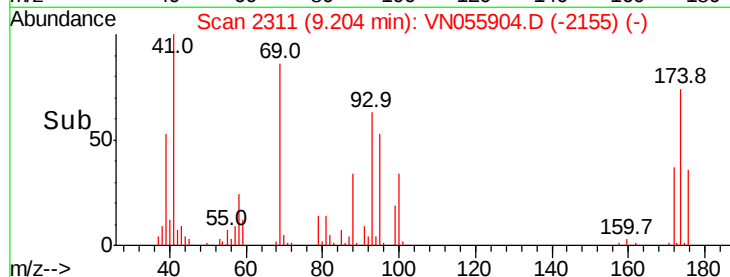
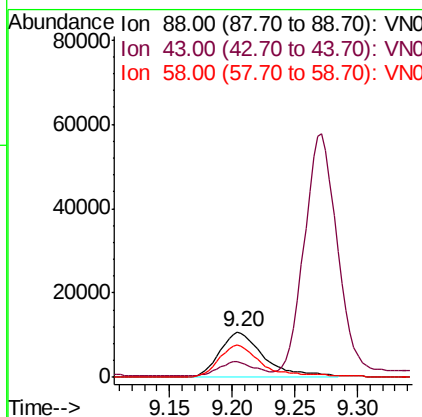
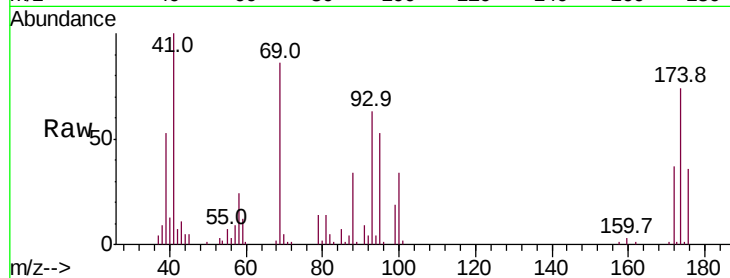
#45
 1,4-Dioxane
 Concen: 416.525 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	26516
Ion	Ratio	Lower	Upper
88	100		
43	26.6	20.5	30.7
58	65.6	56.1	84.1

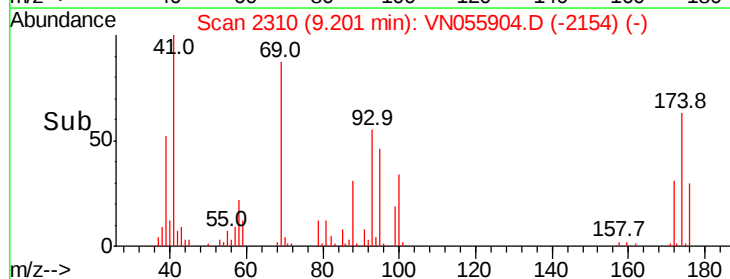
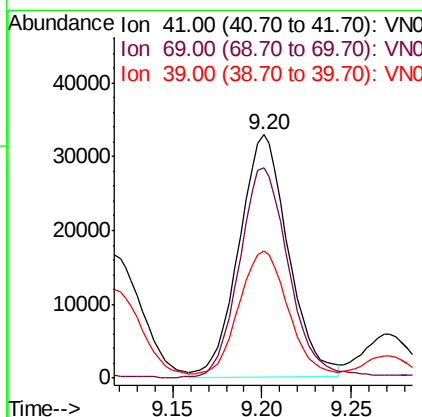
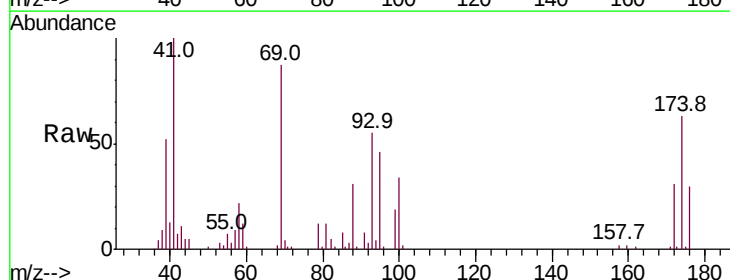
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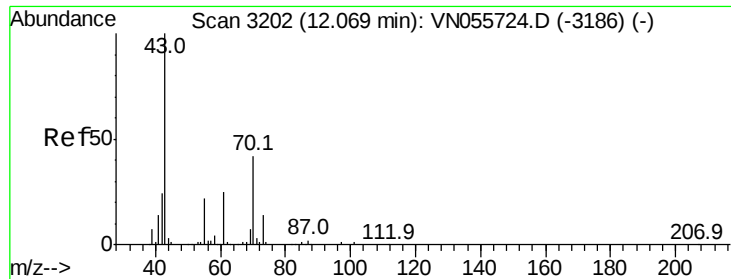
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#46
 Methyl methacrylate
 Concen: 20.033 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	41	Resp	63245
Ion	Ratio	Lower	Upper
41	100		
69	88.2	43.8	131.4
39	51.7	25.6	76.6





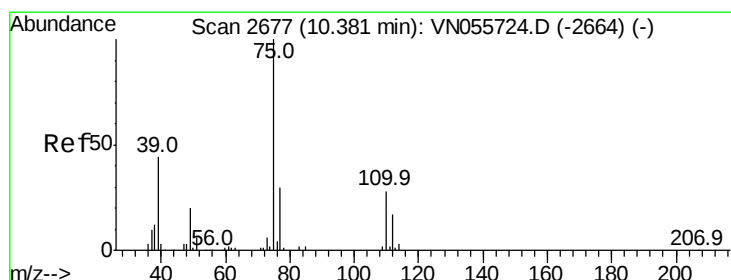
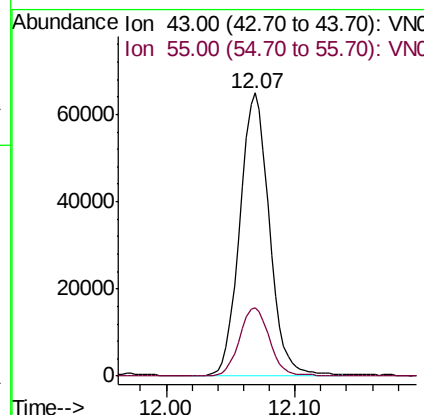
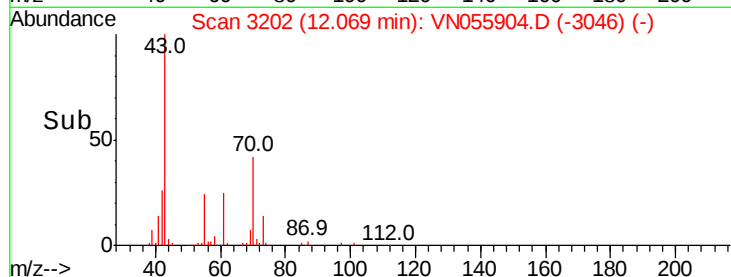
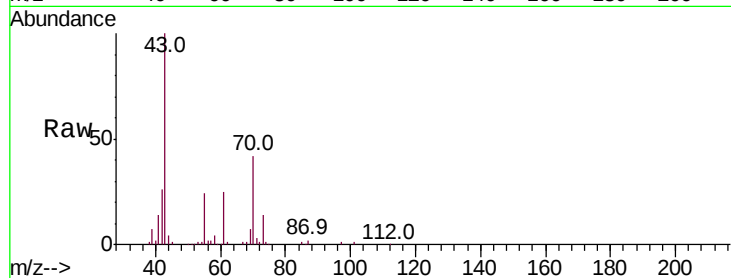
#47
n-amvl Acetate
Concen: 18.326 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 102567
Ion Ratio Lower Upper
43 100
55 24.8 17.8 26.6

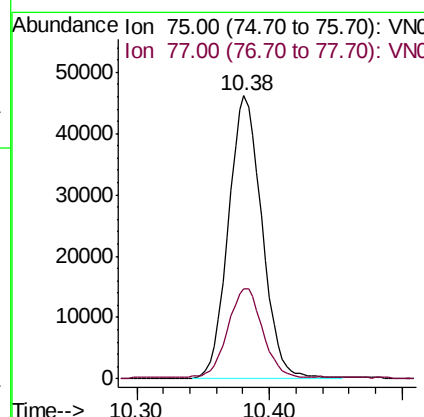
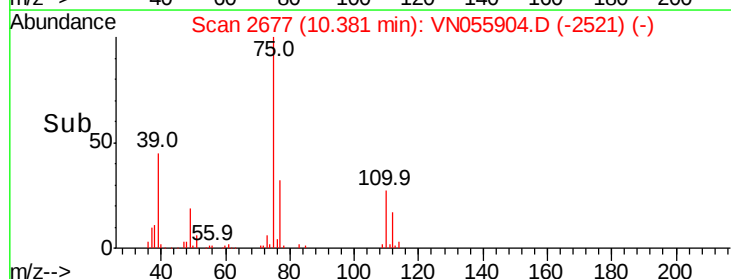
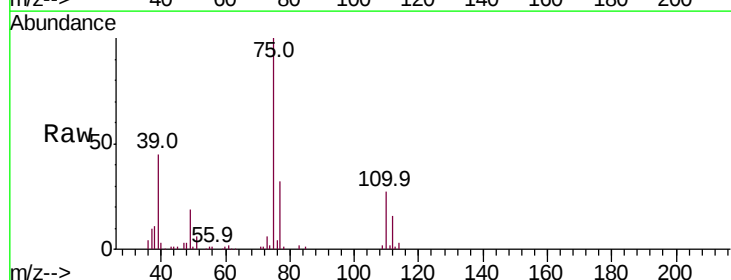
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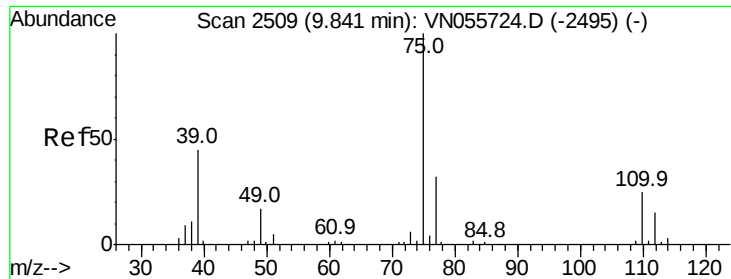
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#48
t-1,3-Dichloropropene
Concen: 17.191 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion: 75 Resp: 81298
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8





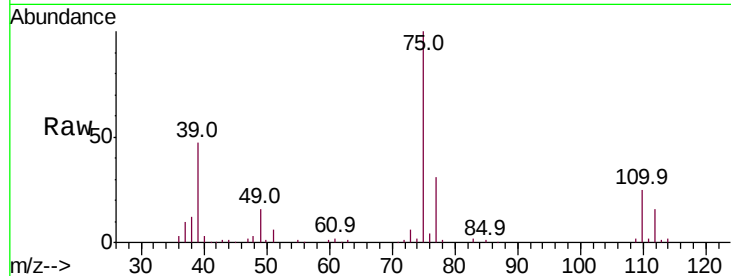
#49
 cis-1,3-Dichloropropene
 Concen: 18.696 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.0	39.0
39	46.7	36.2	54.4

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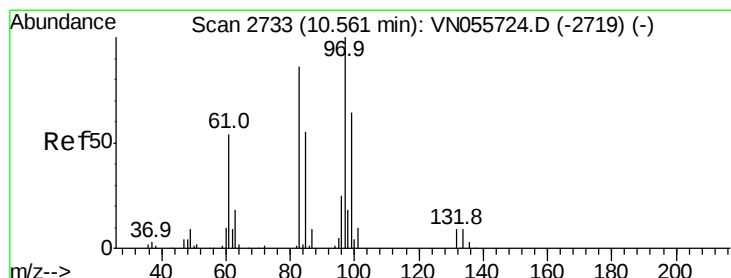
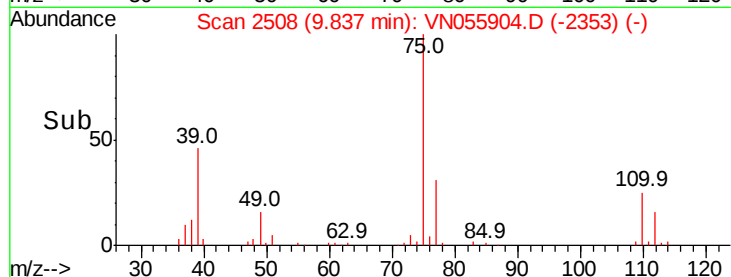
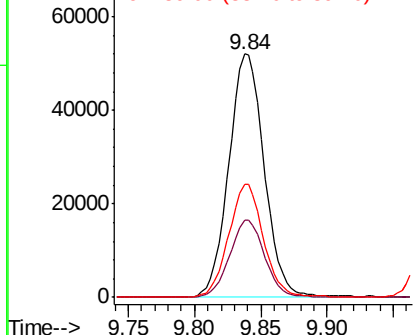


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50
 1,1,2-Trichloroethane
 Concen: 20.711 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.9	103.3
85	53.4	44.3	66.5
99	61.2	51.4	77.0

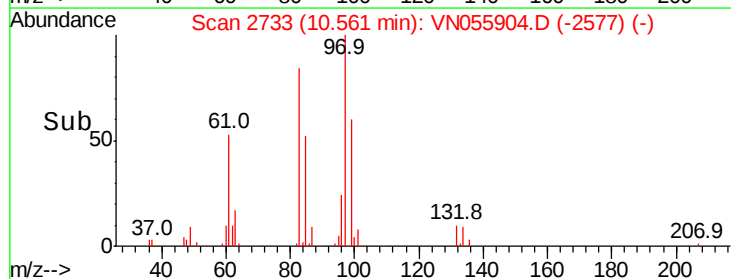
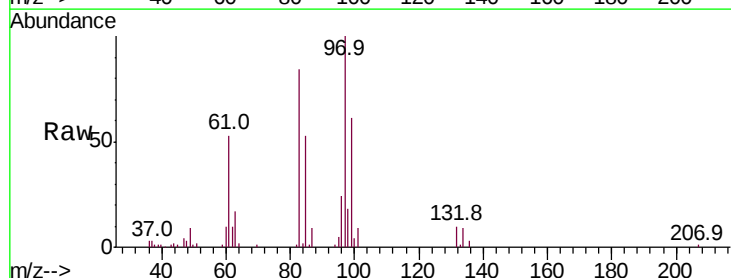
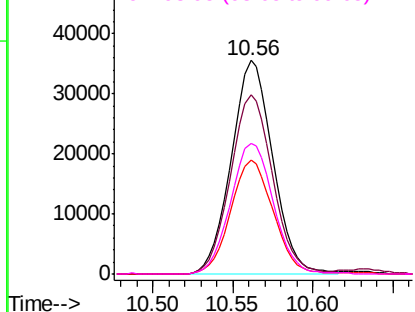
Abundance

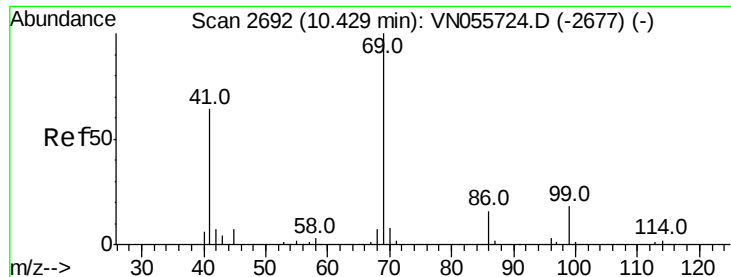
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.010 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

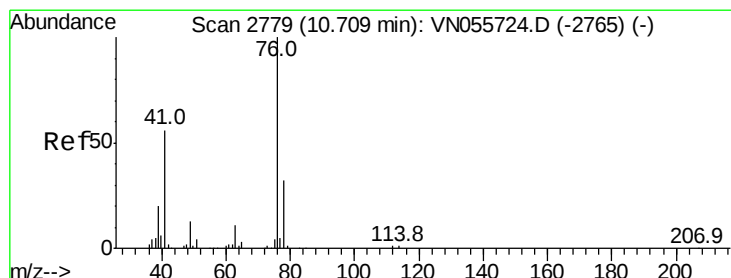
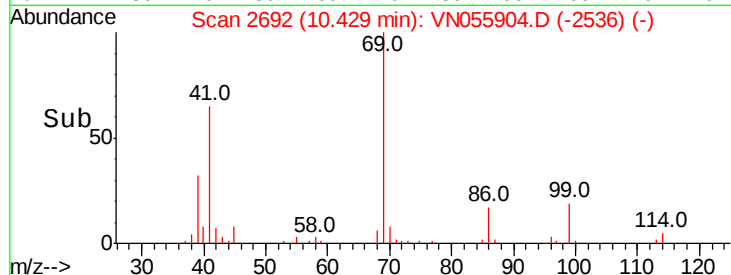
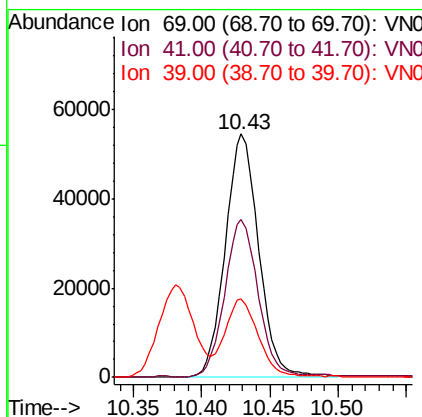
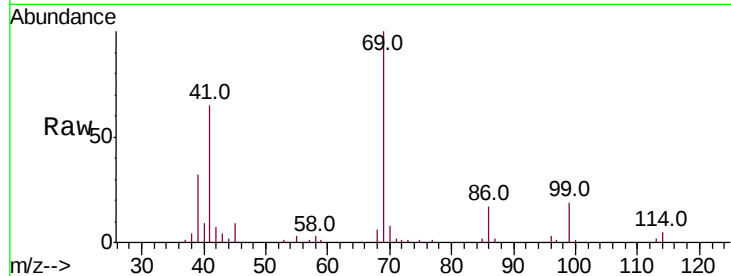
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	93245
Ion Ratio	Lower	Upper	
69	100		
41	64.3	31.9	95.7
39	31.6	15.7	47.0

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#52

1,3-Dichloropropane

Concen: 20.352 ug/l

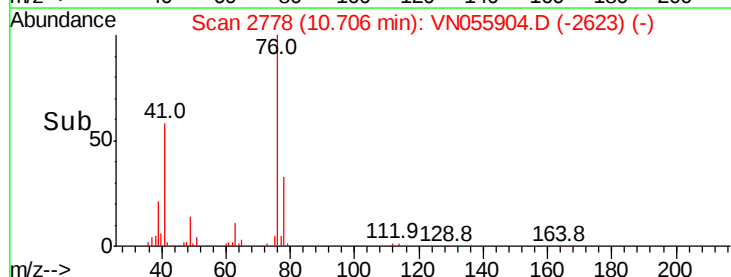
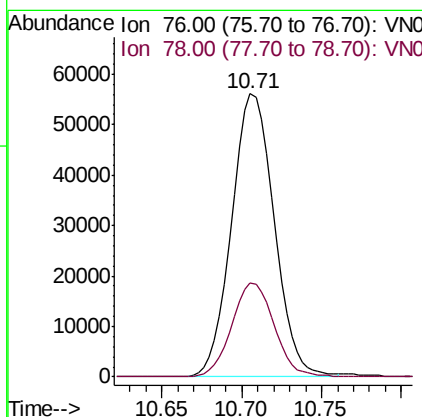
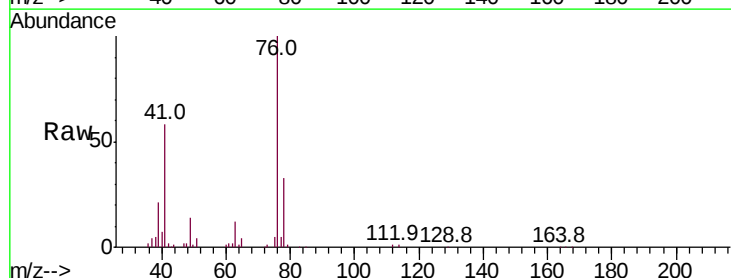
RT: 10.71 min Scan# 2778

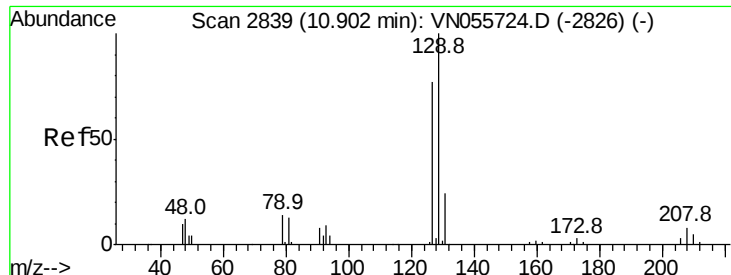
Delta R.T. -0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	76	Resp:	102087
Ion Ratio	Lower	Upper	
76	100		
78	33.0	0.0	65.0





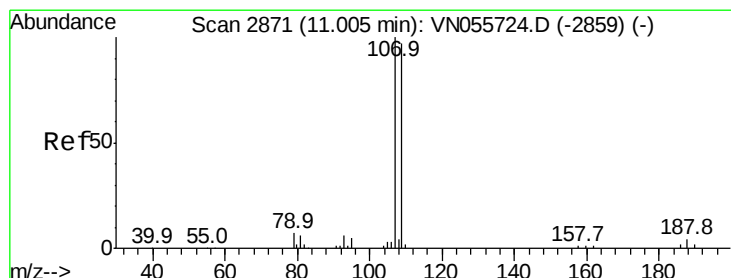
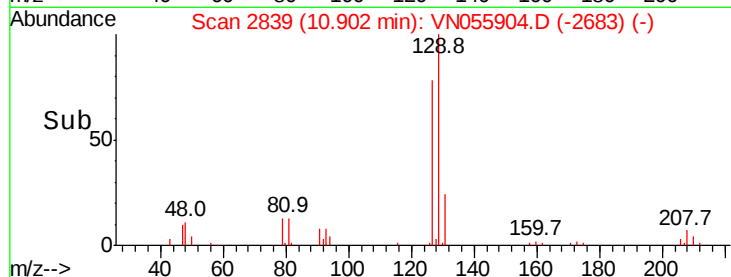
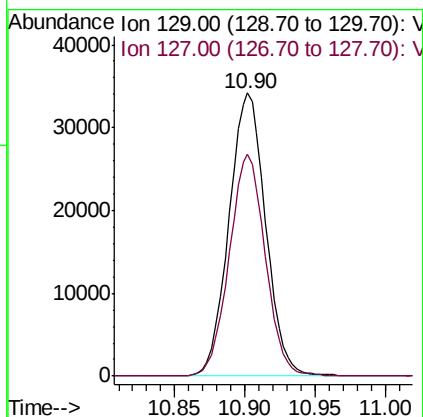
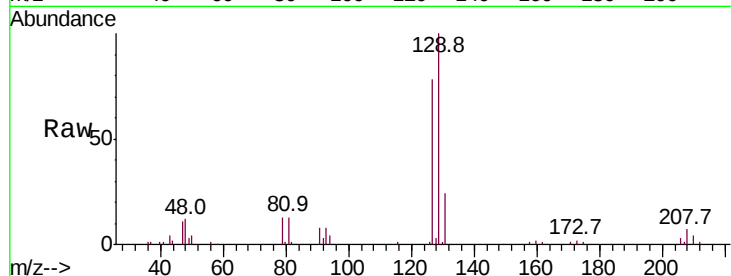
#53
 Dibromochloromethane
 Concen: 17.285 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 62140
 Ion Ratio Lower Upper
 129 100
 127 77.0 39.2 117.6

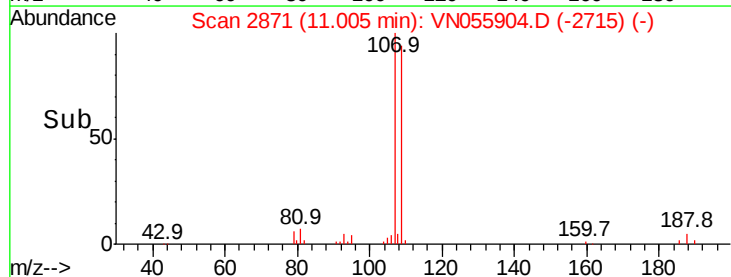
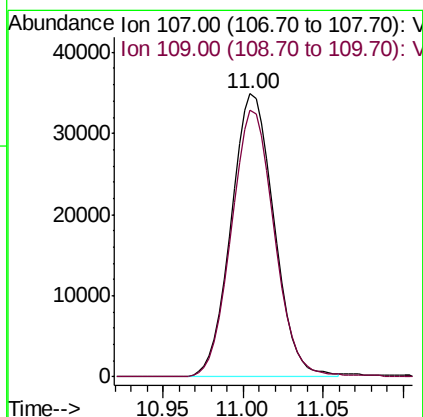
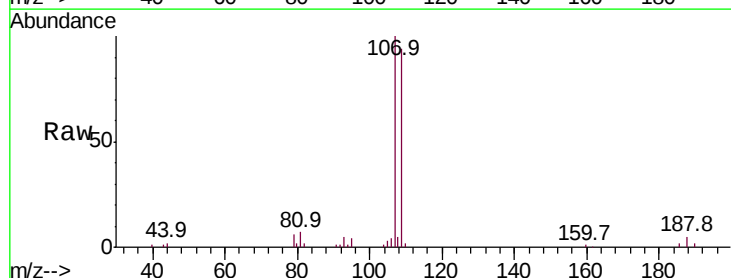
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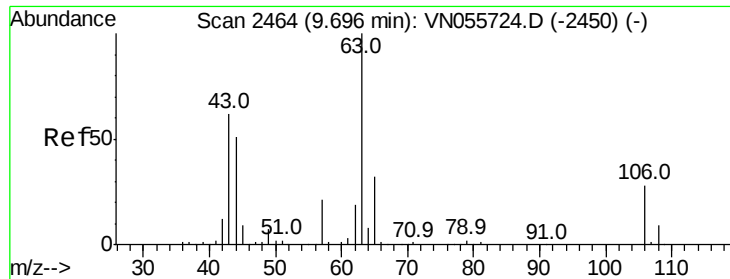
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#54
 1,2-Dibromoethane
 Concen: 20.256 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion:107 Resp: 63786
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 88.667 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

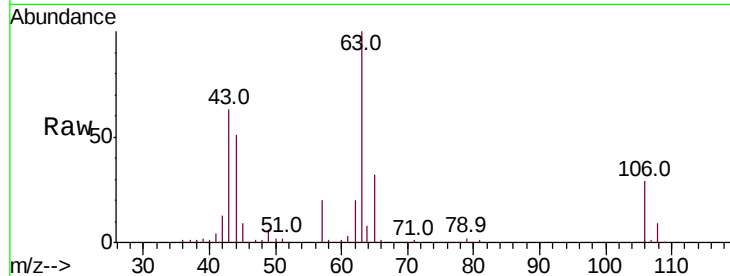
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	169221
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.0
106	28.5	22.1	33.1

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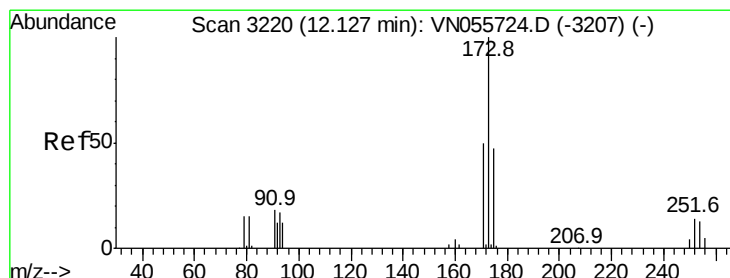
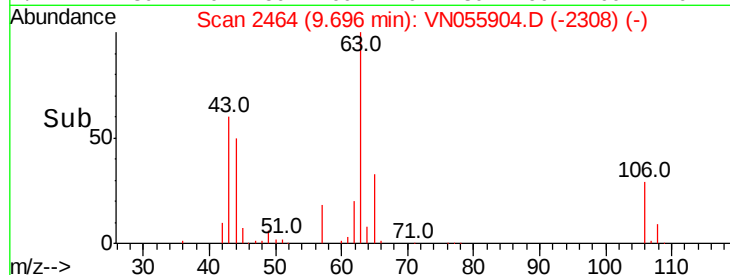
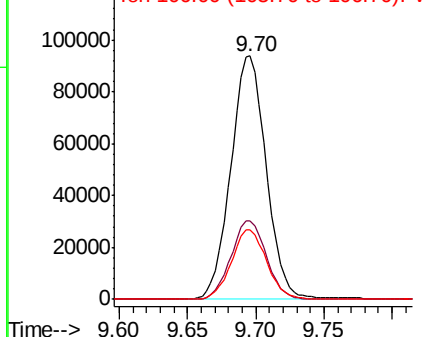


Abundance

Ion 63.00 (62.70 to 63.70): VN055904.D (-2308) (-)

Ion 65.00 (64.70 to 65.70): VN055904.D (-2308) (-)

Ion 106.00 (105.70 to 106.70): VN055904.D (-2308) (-)



#56

Bromoform

Concen: 14.671 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

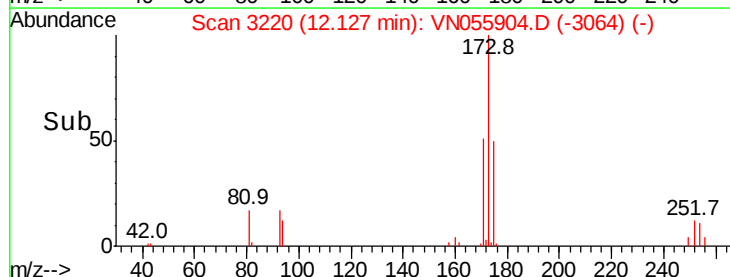
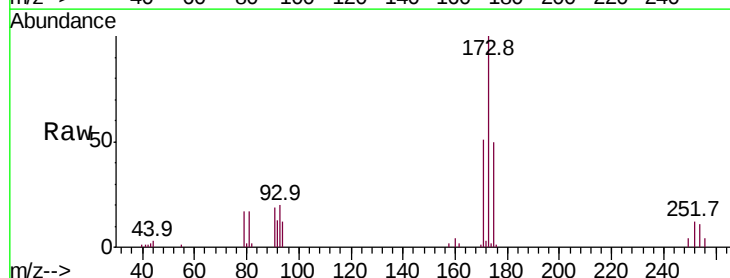
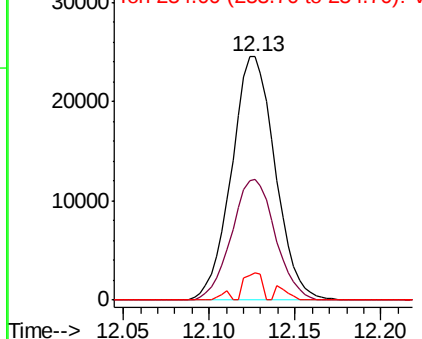
Tgt Ion:	173	Resp:	43263
Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.5	57.7
254	4.5	9.4	14.0#

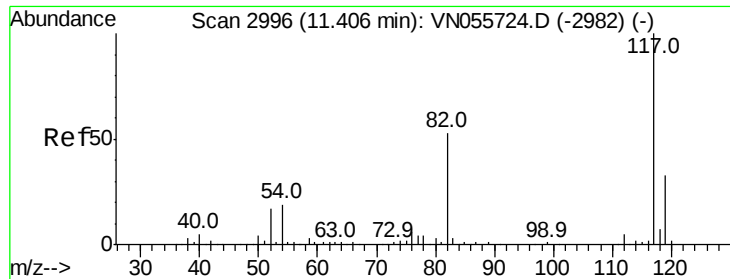
Abundance

Ion 173.00 (172.70 to 173.70): VN055904.D (-3064) (-)

Ion 175.00 (174.70 to 175.70): VN055904.D (-3064) (-)

Ion 254.00 (253.70 to 254.70): VN055904.D (-3064) (-)





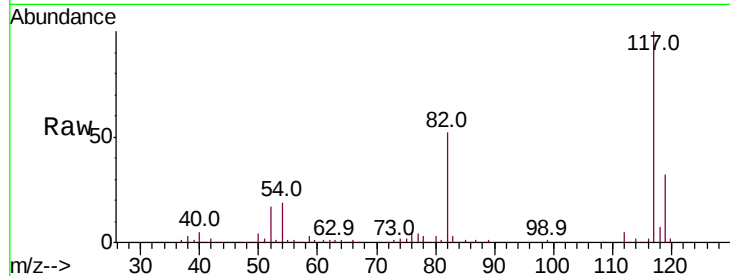
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	64.0
119	32.2	25.9	38.9

Manual Integrations
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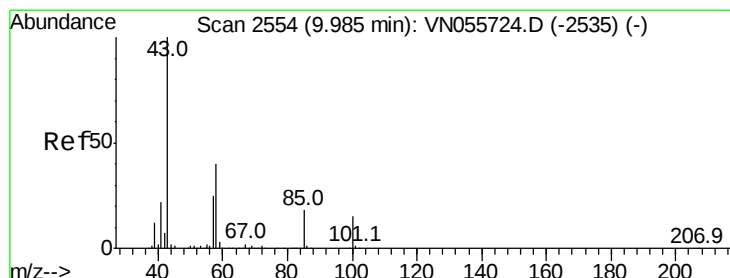
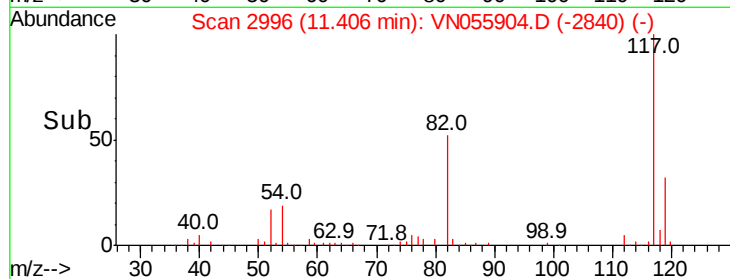
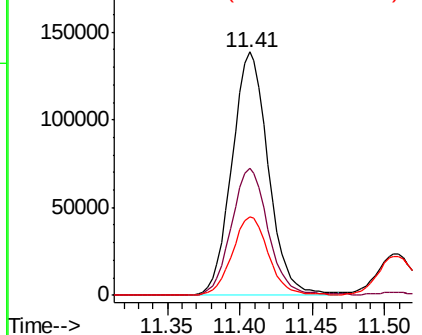


Abundance

Ion 117.00 (116.70 to 117.70): V

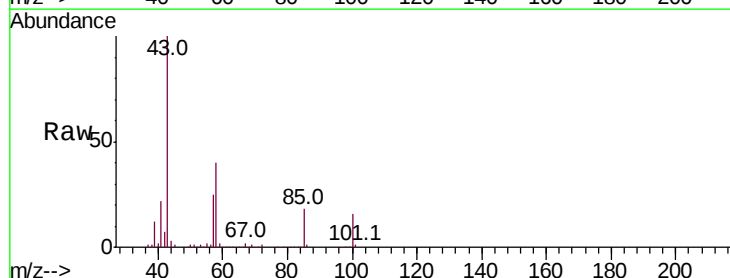
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 101.971 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.7	47.5
85	18.3	14.5	21.7

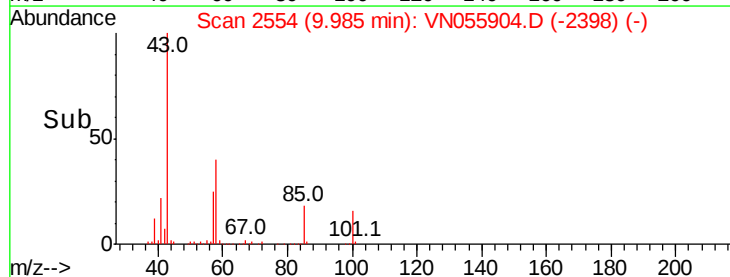
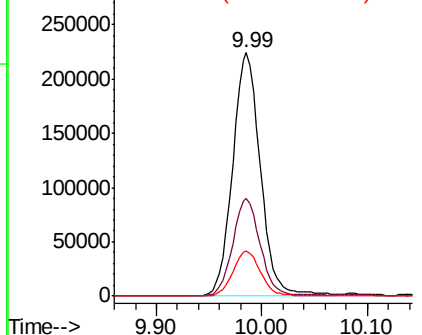


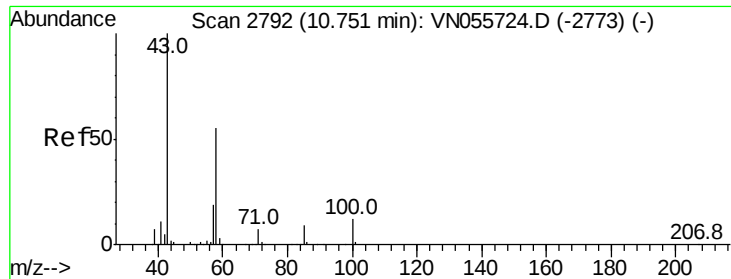
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





#59

2-Hexanone

Concen: 98.767 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

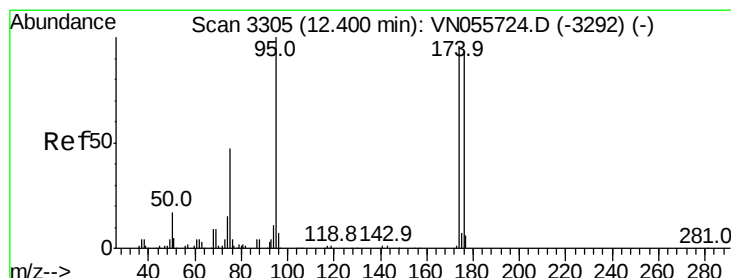
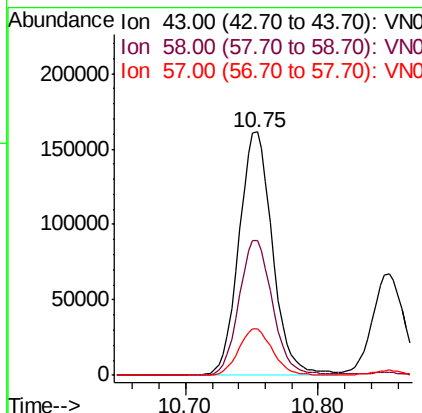
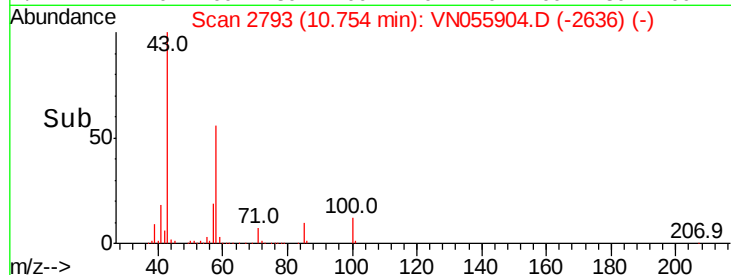
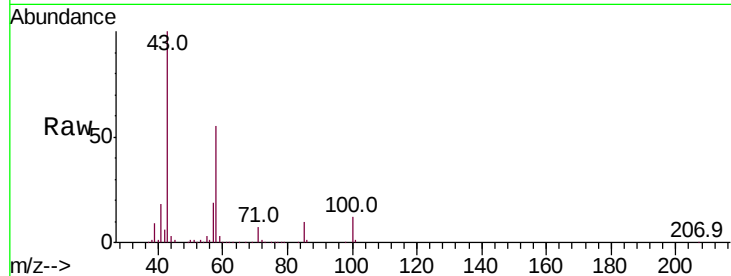
ClientSampleId :

VSTDCCC020EC

Tot Ion:	43	Resp:	282672
Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.8	67.2
57	19.5	15.3	22.9

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#60

4-Bromofluorobenzene

Concen: 28.262 ug/l

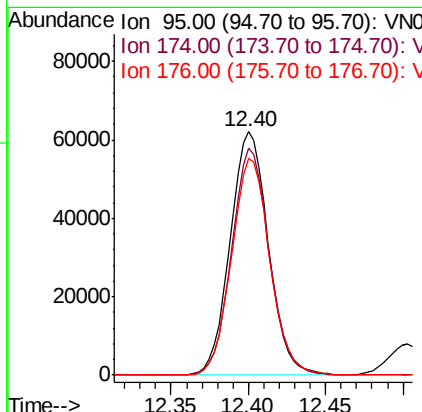
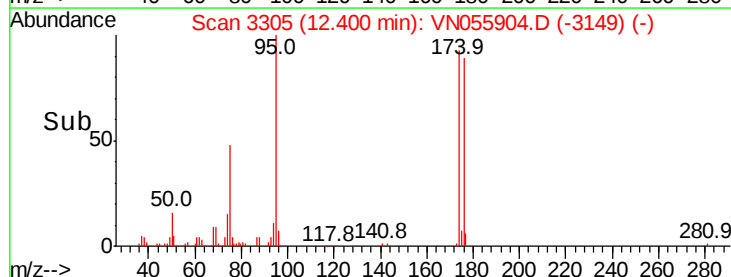
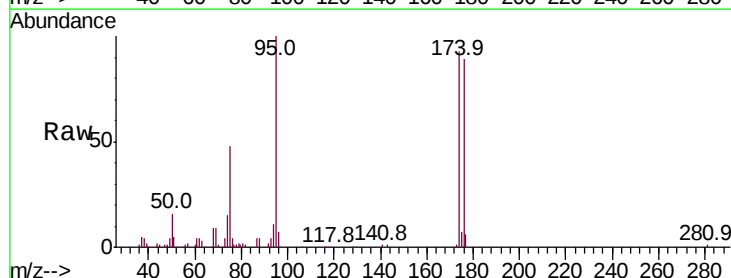
RT: 12.40 min Scan# 3305

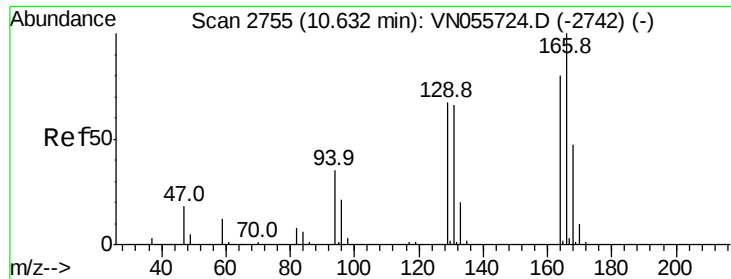
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	95	Resp:	106316
Ion	Ratio	Lower	Upper
95	100		
174	92.0	75.7	113.5
176	89.2	74.1	111.1





#61

Tetrachloroethene

Concen: 20.988 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

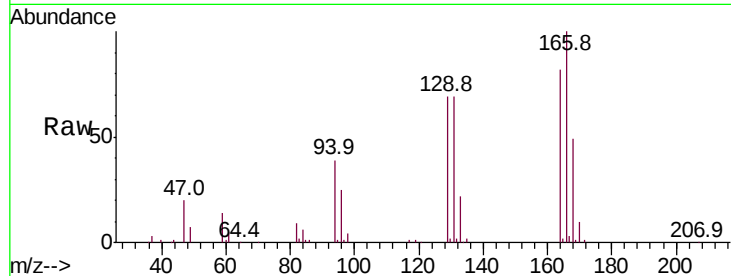
ClientSampled :

VSTDCCC020EC

Tot Ion:	164	Resp:	68707
Ion	Ratio	Lower	Upper
164	100		
166	121.4	100.6	150.8
129	84.3	67.4	101.2
131	84.1	66.6	99.8

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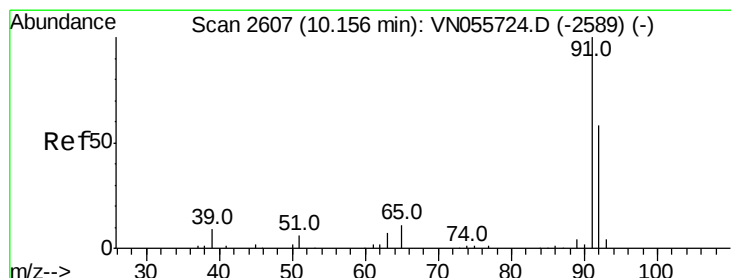
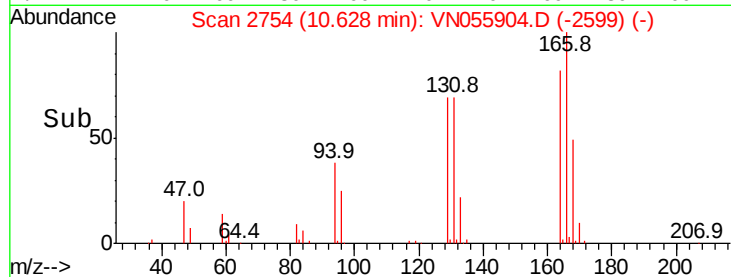
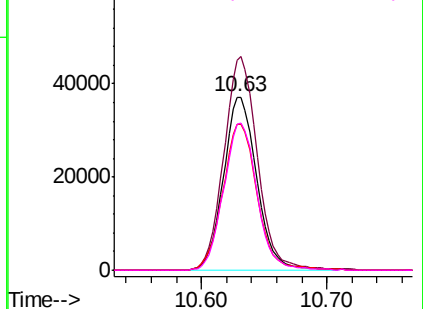


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.044 ug/l

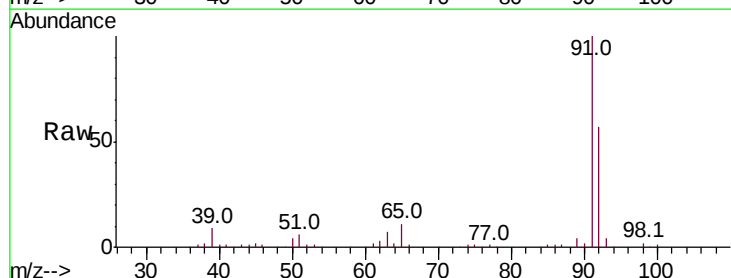
RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055904.D

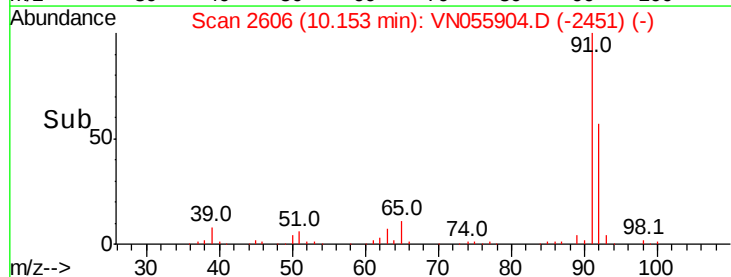
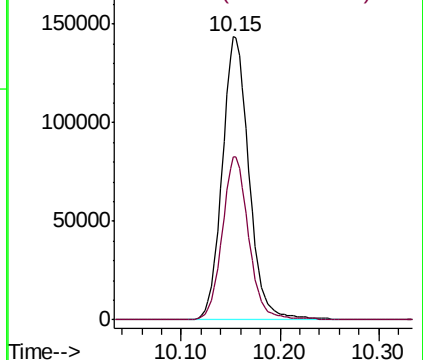
Acq: 30 May 2019 17:04

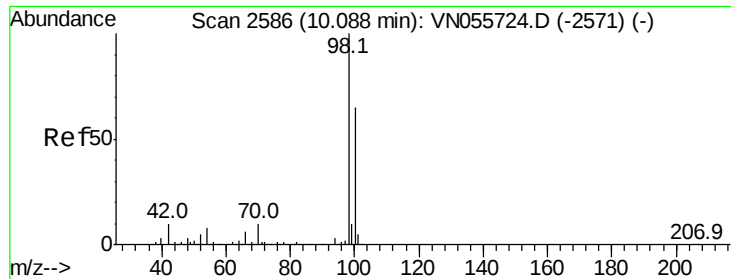
Tgt Ion:	91	Resp:	273659
Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.6	68.4



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.231 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 334092

Ion Ratio Lower Upper

98 100

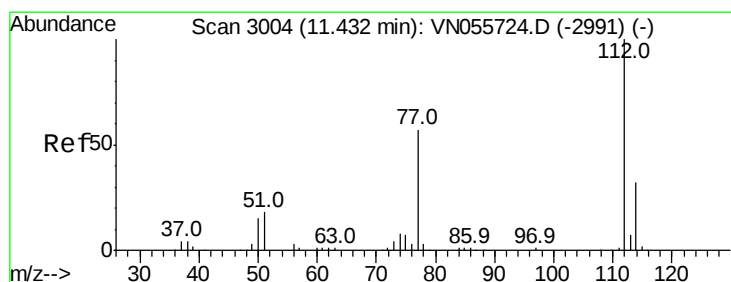
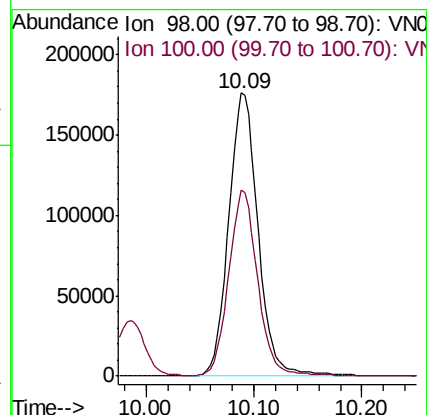
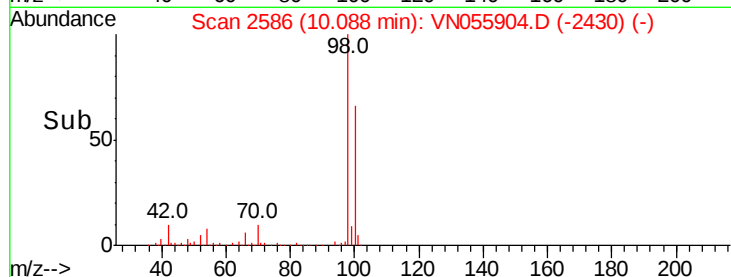
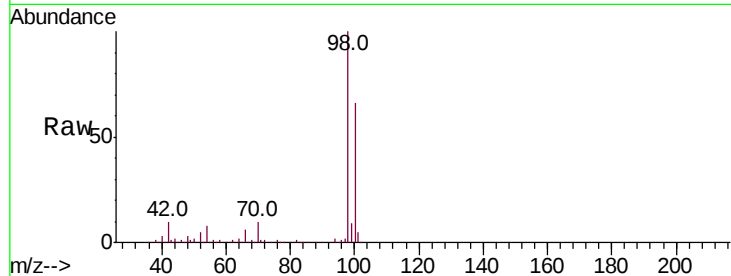
100 64.6 51.6 77.4

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#64

Chlorobenzene

Concen: 20.733 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055904.D

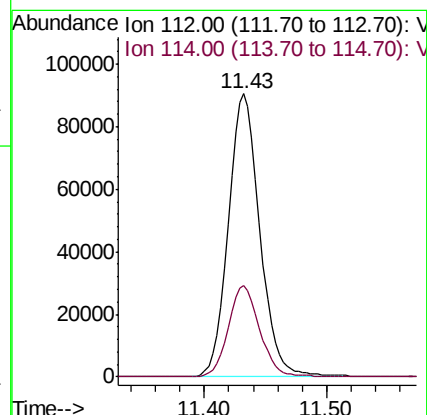
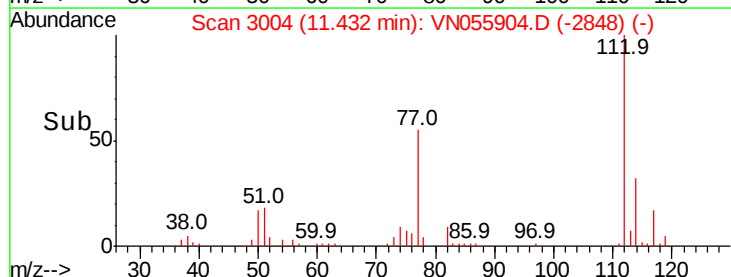
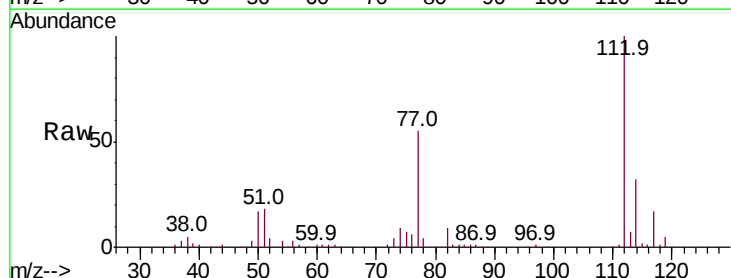
Acq: 30 May 2019 17:04

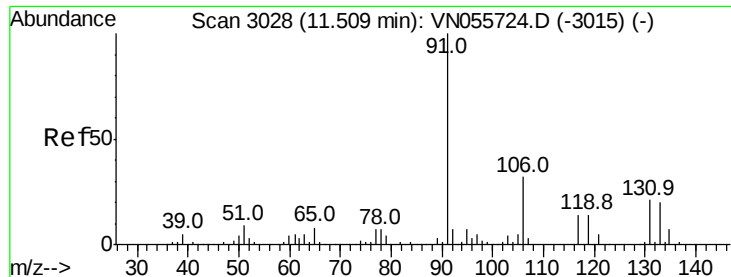
Tgt Ion: 112 Resp: 163548

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 18.908 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

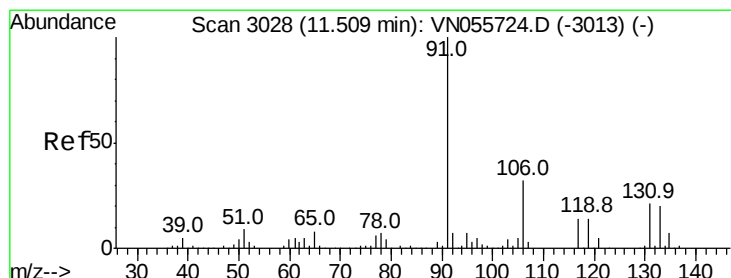
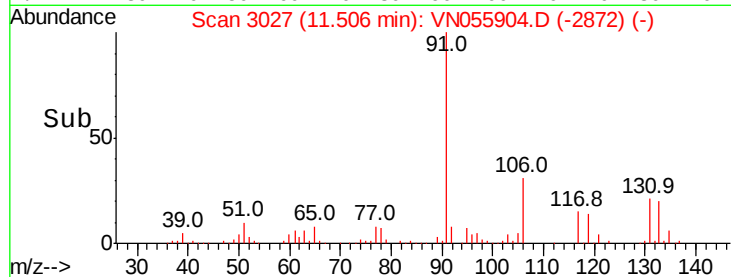
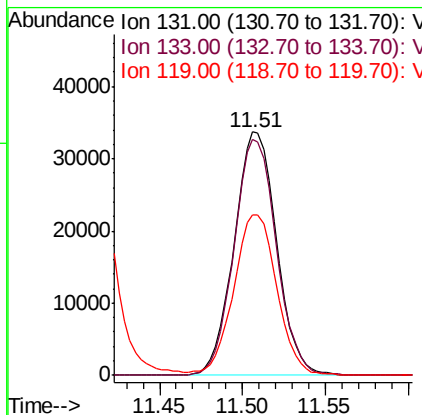
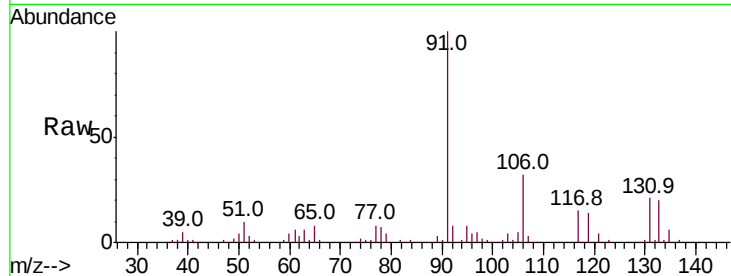
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	60098
Ion	Ratio	Lower	Upper
131	100		
133	96.5	0.0	188.8
119	67.0	0.0	133.6

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#66

Ethyl Benzene

Concen: 20.466 ug/l

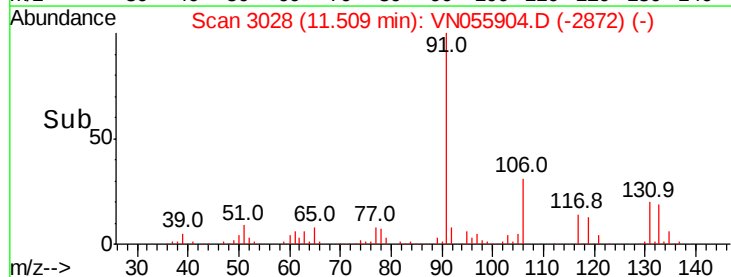
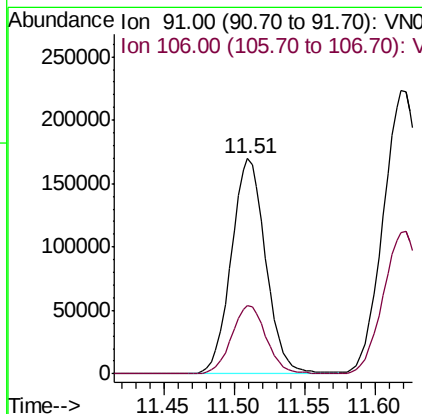
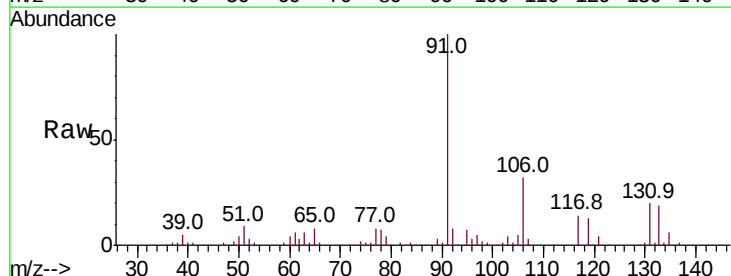
RT: 11.51 min Scan# 3028

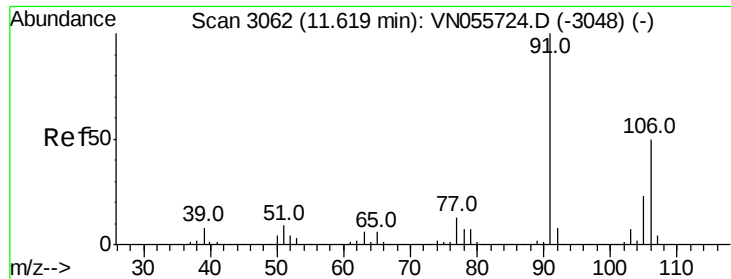
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	91	Resp:	290791
Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.6	38.4





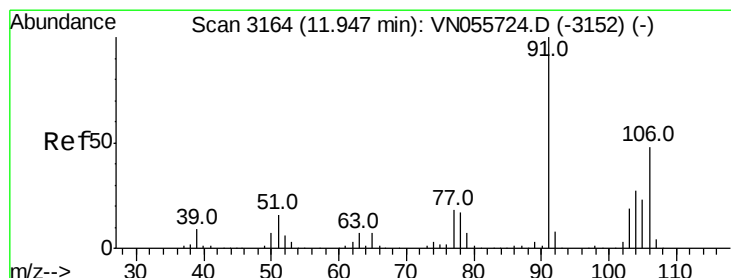
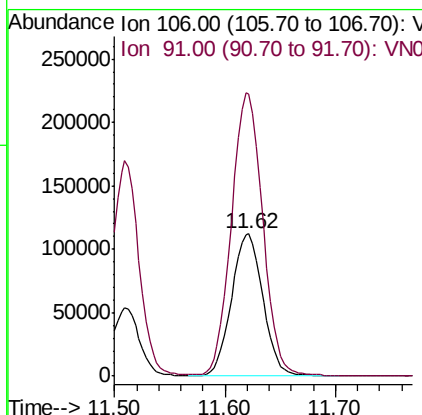
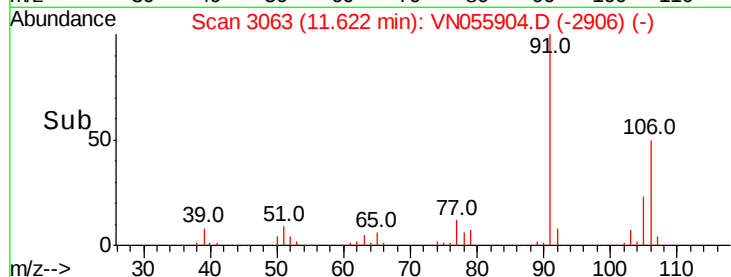
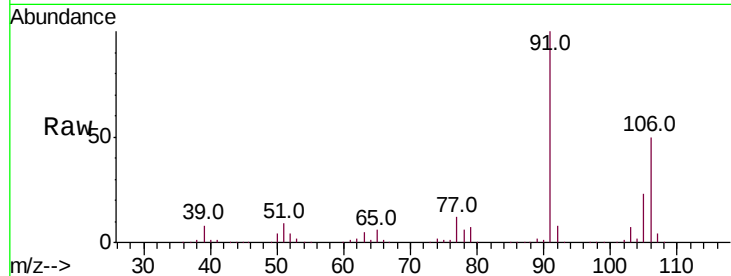
#67
m/p-Xylenes
Concen: 41.040 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 221515
Ion Ratio Lower Upper
106 100
91 199.3 159.5 239.3

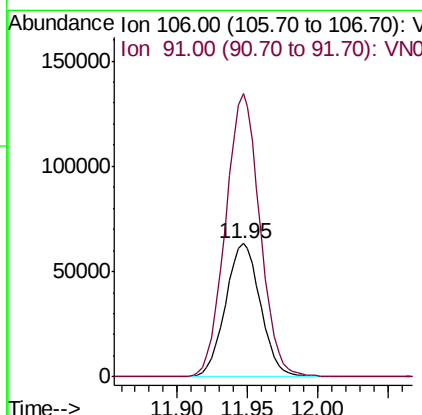
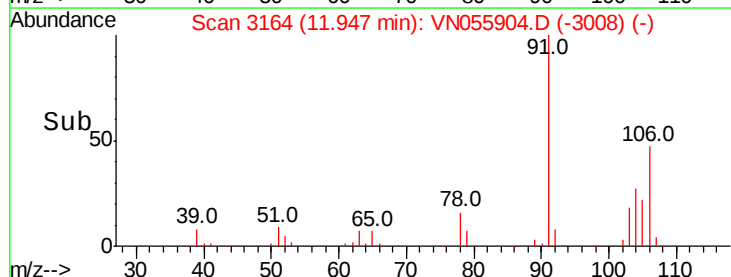
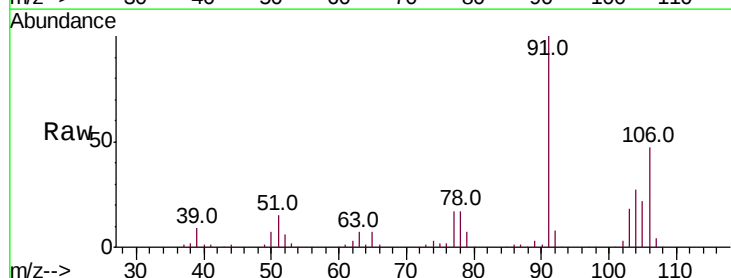
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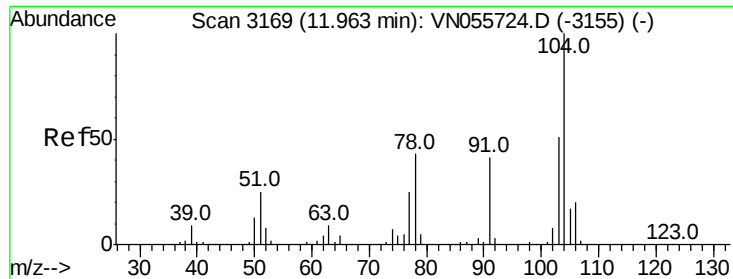
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#68
o-Xylene
Concen: 20.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion:106 Resp: 109619
Ion Ratio Lower Upper
106 100
91 209.7 105.4 316.1





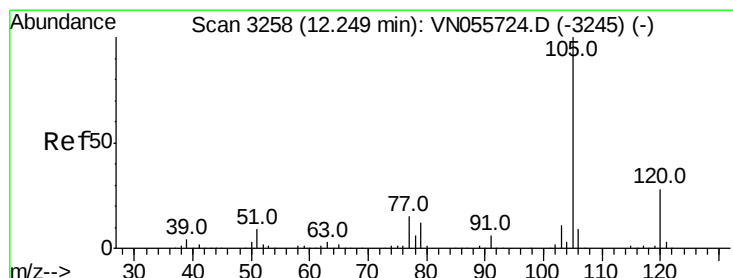
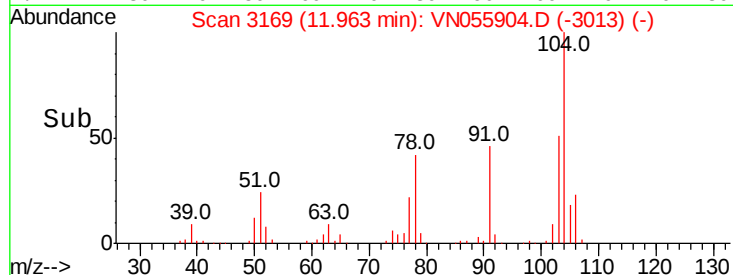
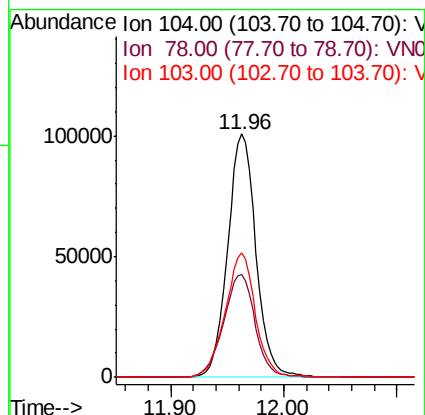
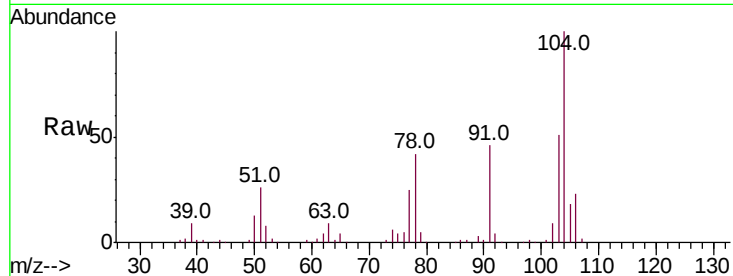
#69
Stvrene
Concen: 19.948 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.7	58.1
103	54.5	45.0	67.6

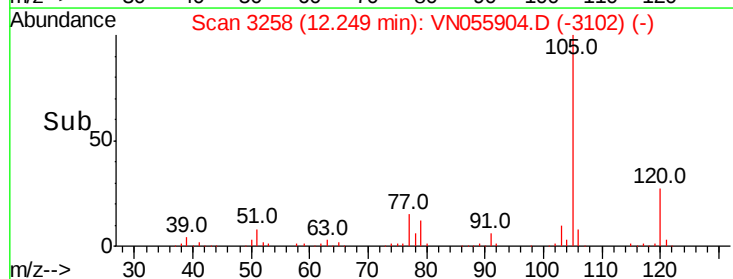
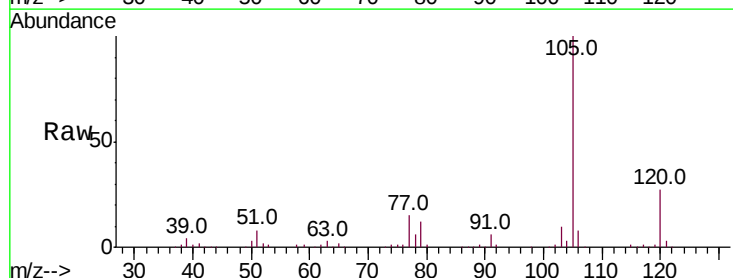
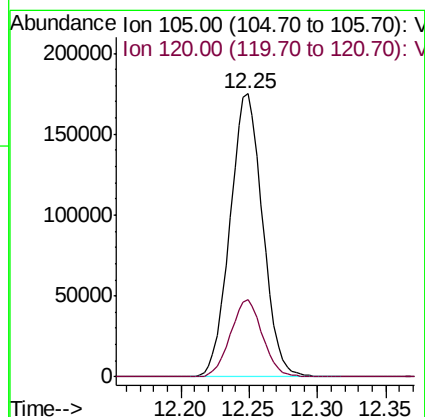
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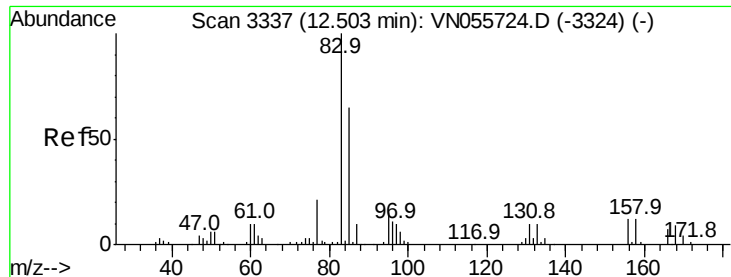
MMDadoda
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#70
Isopropylbenzene
Concen: 20.771 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.2	35.6





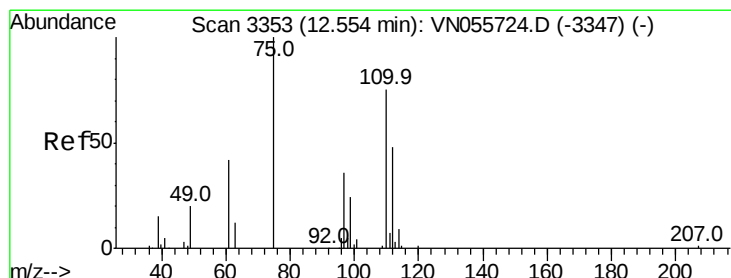
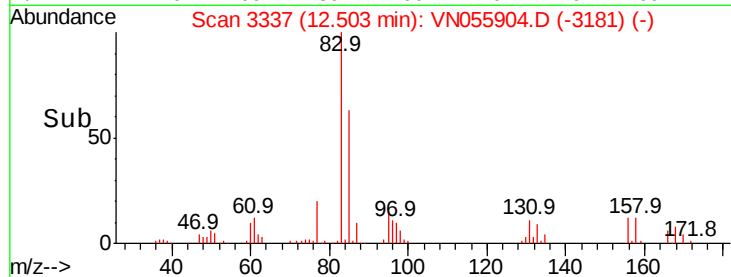
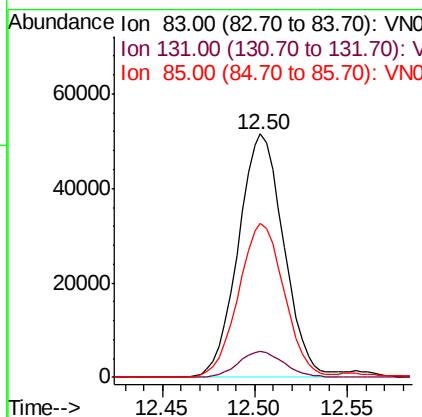
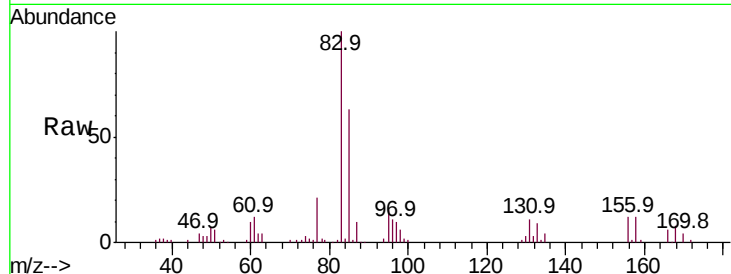
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.440 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	87909
Ion Ratio	100	Lower	Upper
131	10.6	5.3	15.8
85	63.4	32.3	96.9

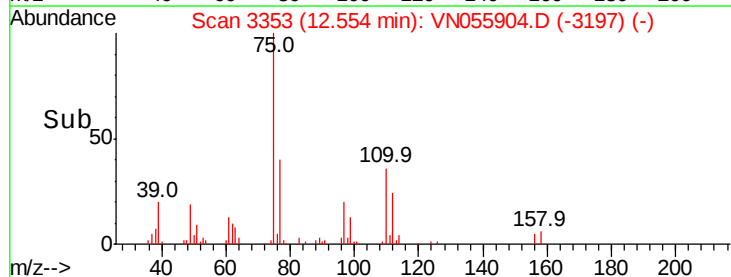
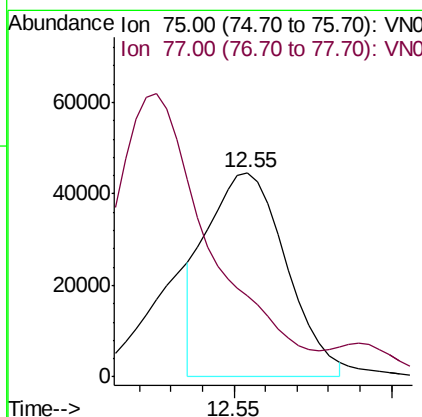
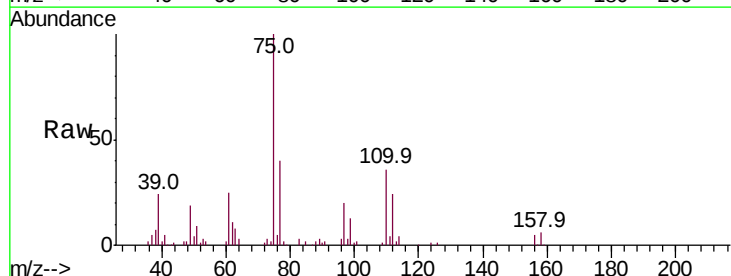
Manual Integrations
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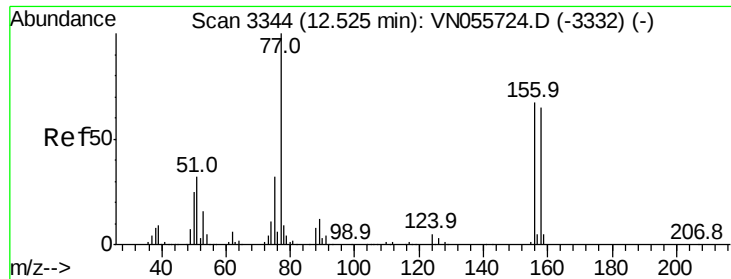
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#72
 1,2,3-Trichloropropane
 Concen: 21.114 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	75	Resp	78157
Ion Ratio	100	Lower	Upper
77	172.1	0.0	349.8





#73

Bromobenzene

Concen: 19.752 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

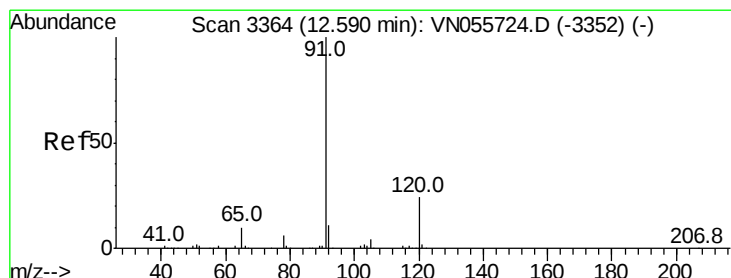
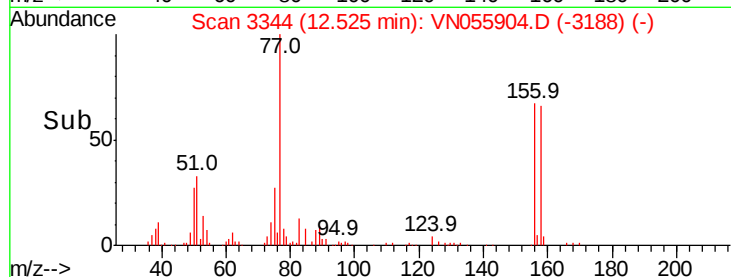
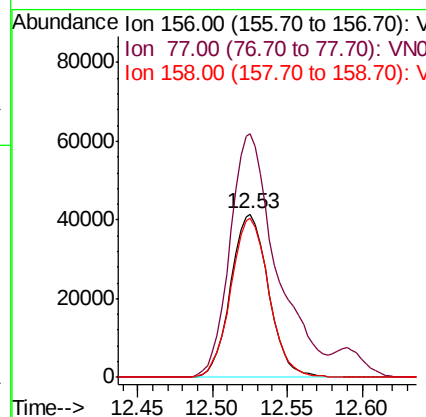
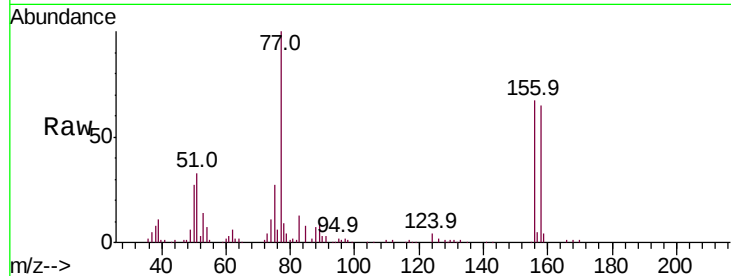
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	73026
Ion	Ratio	Lower	Upper
156	100		
77	184.2	0.0	368.0
158	98.0	0.0	195.0

Manual Integrations
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#74

n-propylbenzene

Concen: 20.004 ug/l

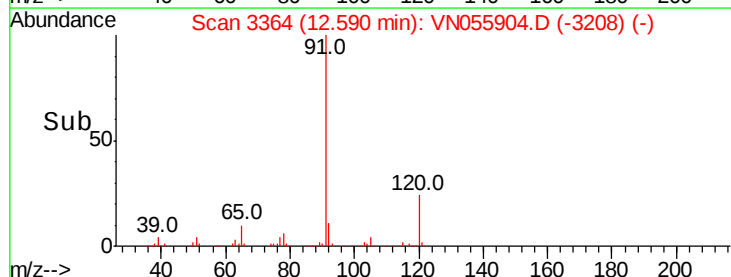
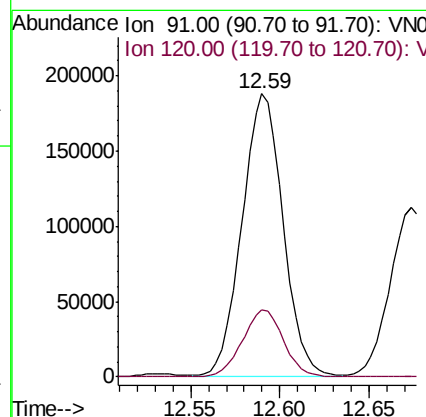
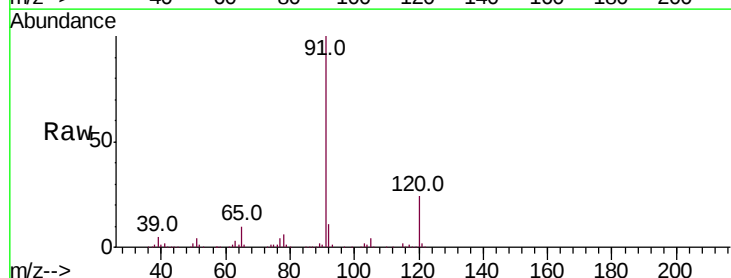
RT: 12.59 min Scan# 3364

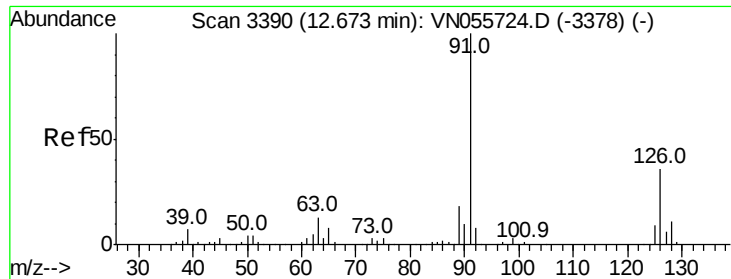
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	91	Resp:	301508
Ion	Ratio	Lower	Upper
91	100		
120	23.6	0.0	47.4





#75

2-Chlorotoluene

Concen: 20.509 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 188826

Ion Ratio Lower Upper

91 100

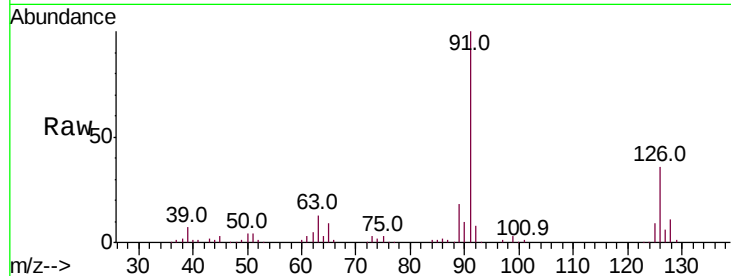
126 35.8 0.0 71.0

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Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

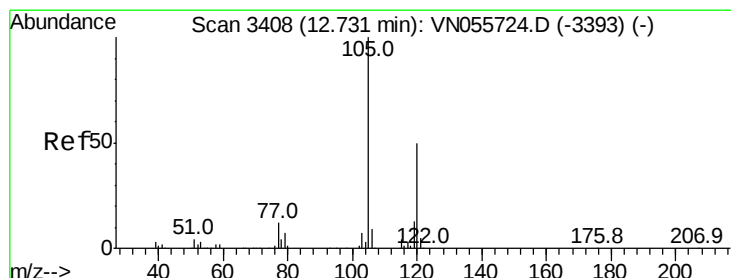
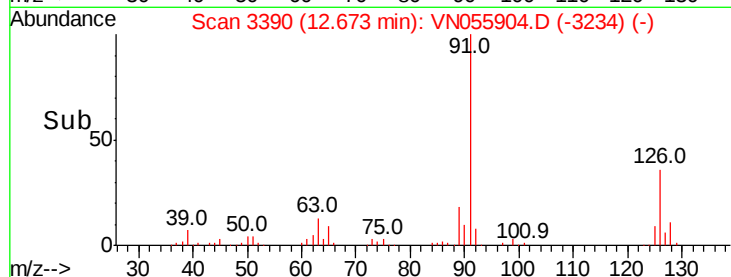
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 20.338 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055904.D

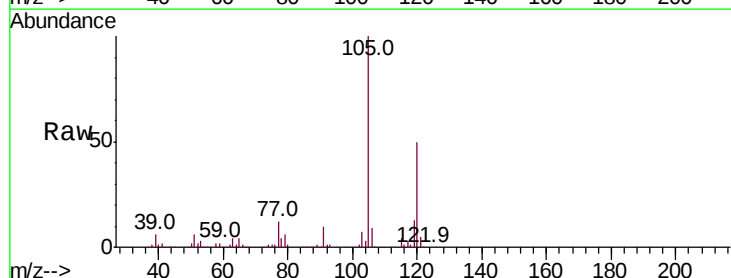
Acq: 30 May 2019 17:04

Tgt Ion:105 Resp: 234937

Ion Ratio Lower Upper

105 100

120 49.9 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

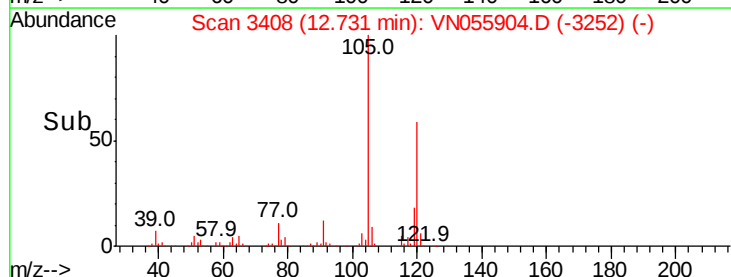
150000

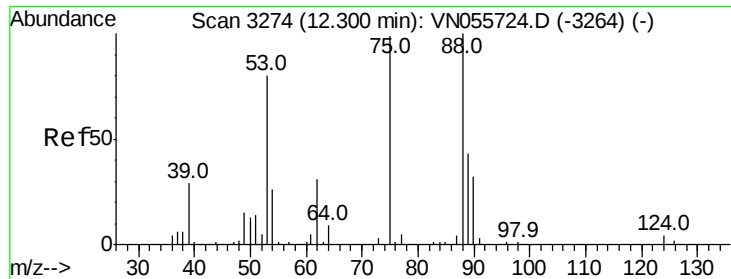
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 14.580 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

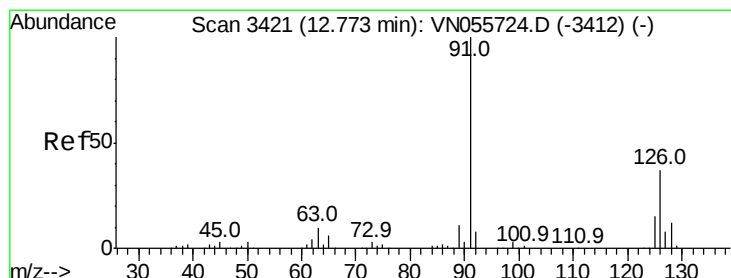
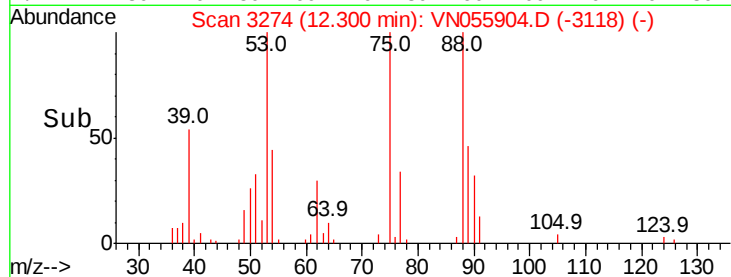
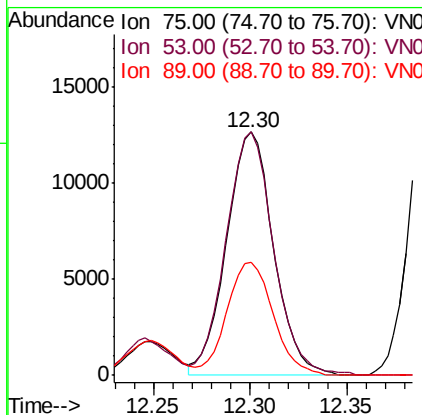
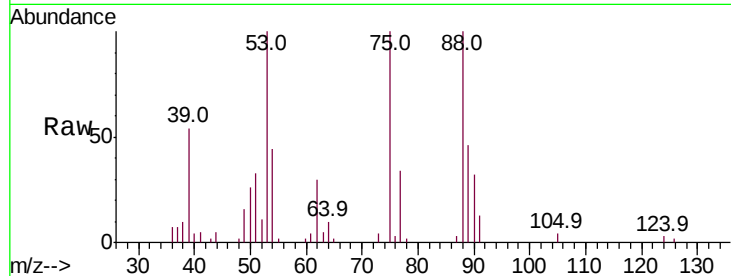
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	21437
Ion Ratio	Lower	Upper	
75	100		
53	98.5	40.1	120.3
89	46.4	22.6	67.8

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#78

4-Chlorotoluene

Concen: 19.759 ug/l

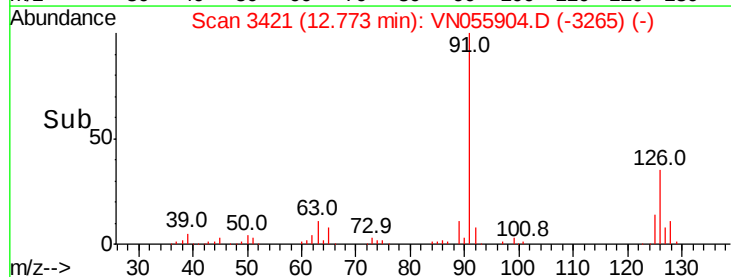
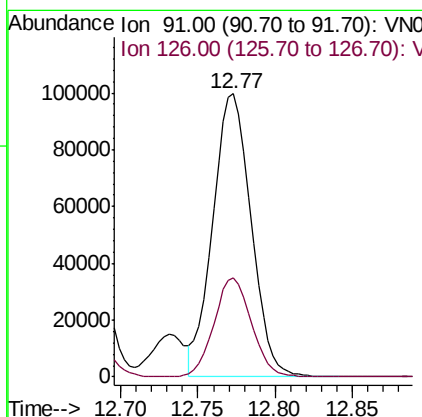
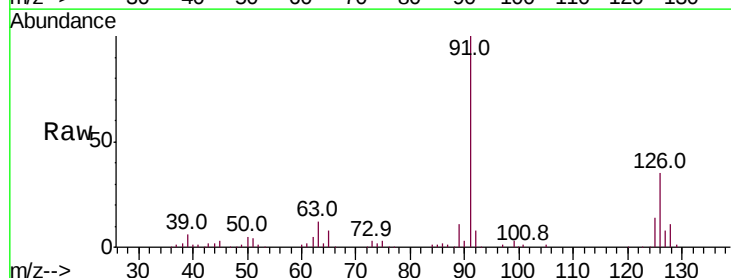
RT: 12.77 min Scan# 3421

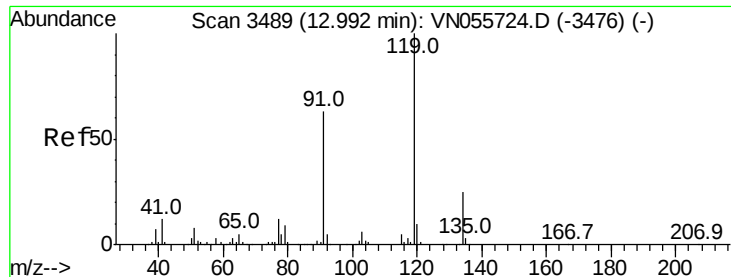
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	91	Resp:	172409
Ion Ratio	Lower	Upper	
91	100		
126	34.0	0.0	69.0





#79

tert-butylbenzene

Concen: 20.600 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

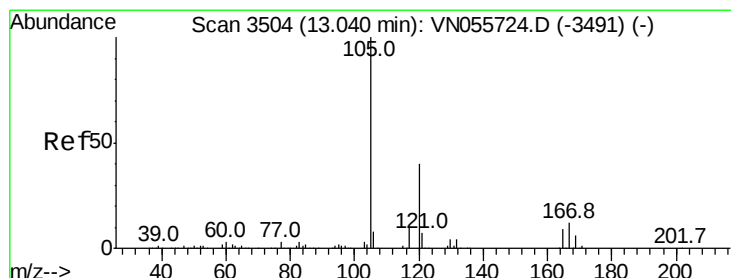
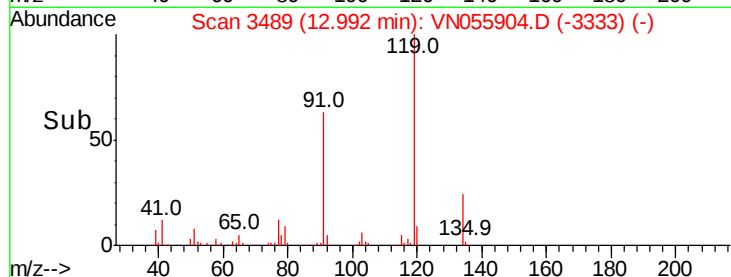
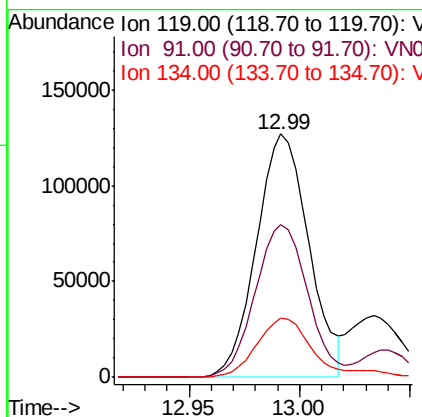
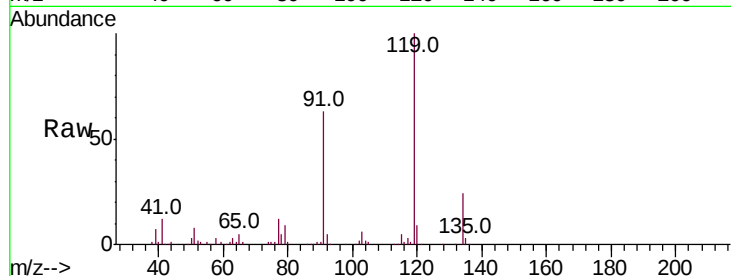
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	209202
Ion Ratio	Lower	Upper	
119	100		
91	63.0	0.0	123.8
134	24.8	0.0	52.6

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#80

1,2,4-Trimethylbenzene

Concen: 19.943 ug/l

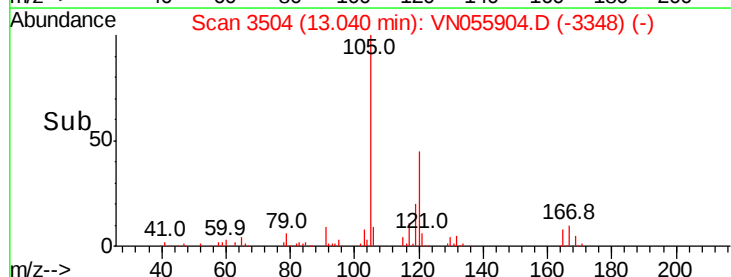
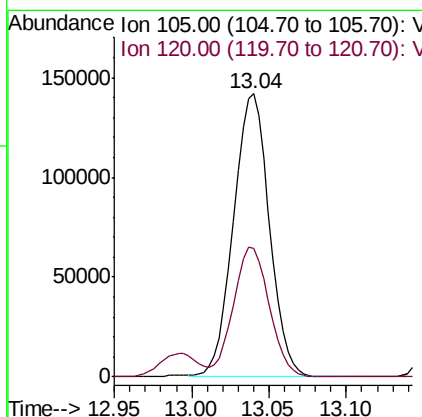
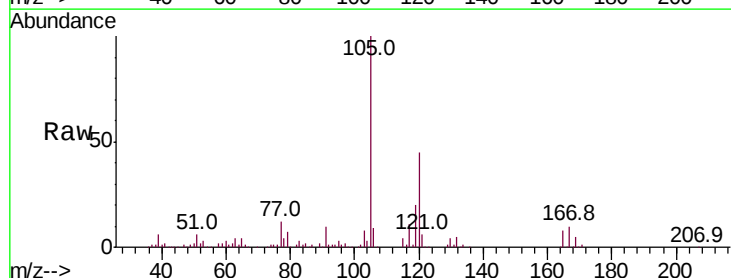
RT: 13.04 min Scan# 3504

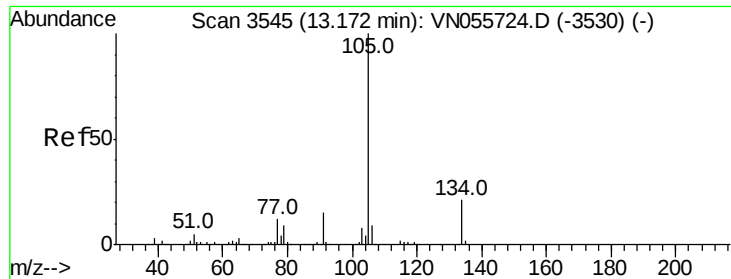
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	105	Resp:	228688
Ion Ratio	Lower	Upper	
105	100		
120	45.9	0.0	93.6





#81

sec-Butylbenzene

Concen: 20.391 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 263100

Ion Ratio Lower Upper

105 100

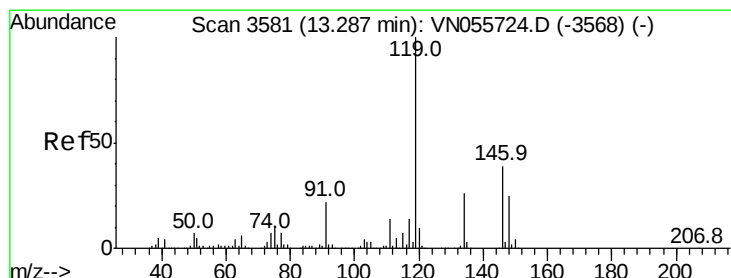
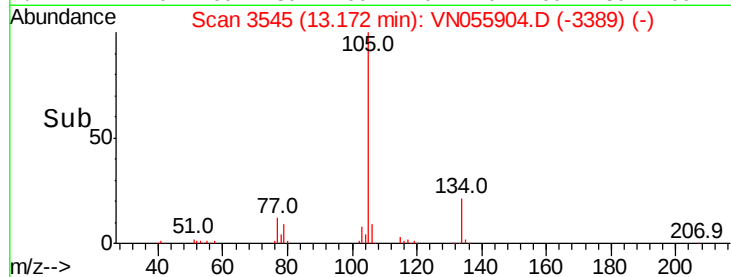
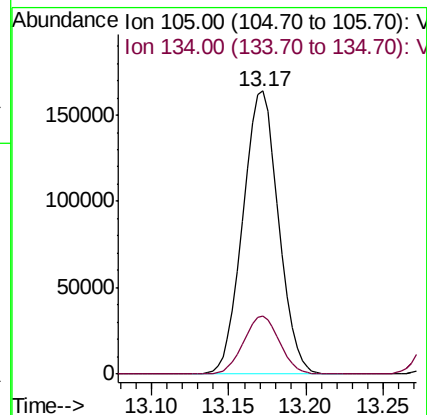
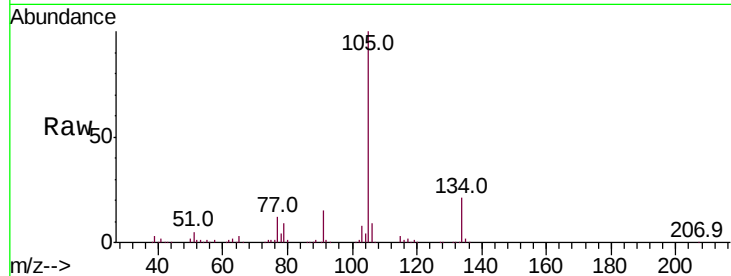
134 20.6 0.0 41.4

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#82

p-Isopropyltoluene

Concen: 19.929 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

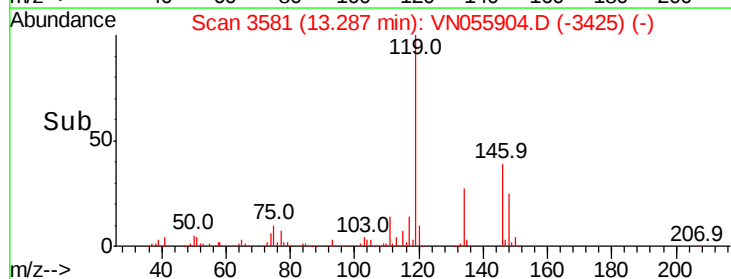
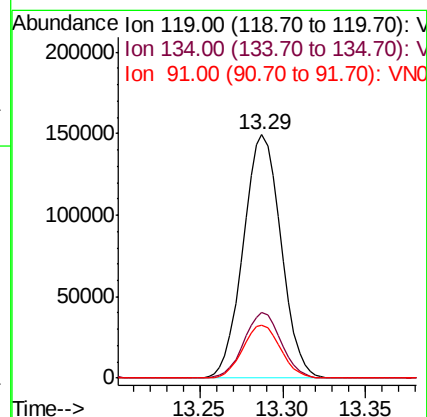
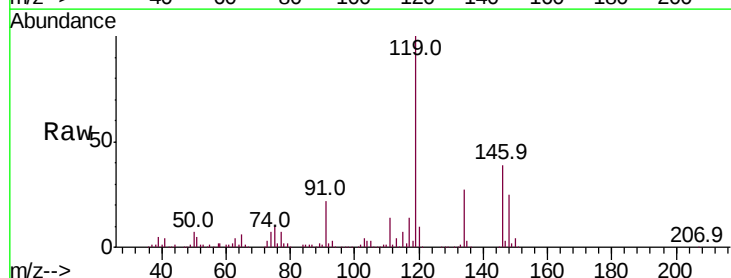
Tgt Ion:119 Resp: 236648

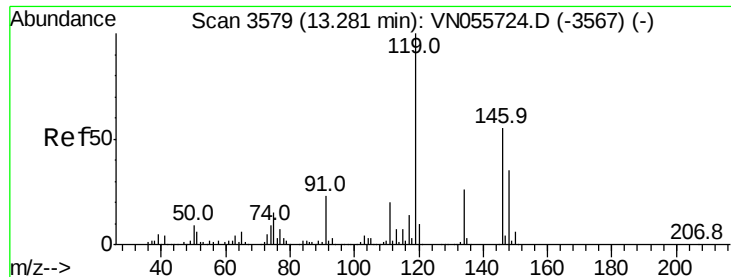
Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.0

91 21.7 0.0 44.4





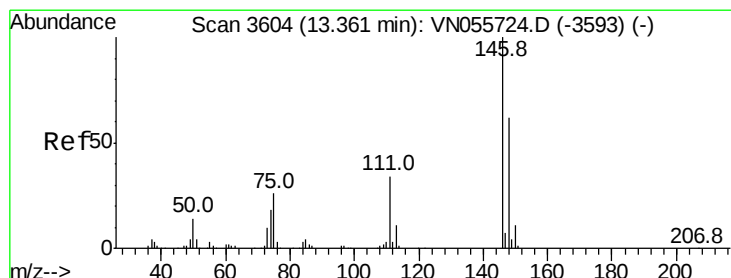
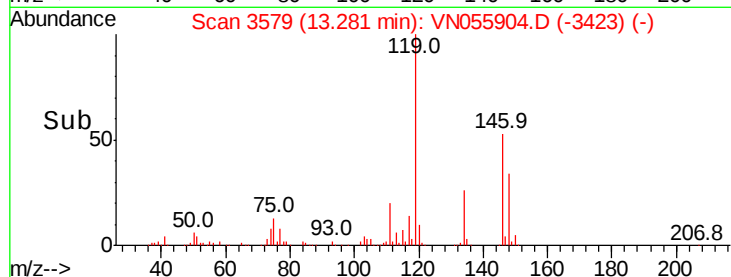
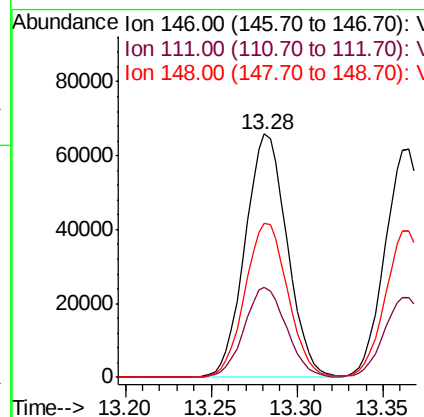
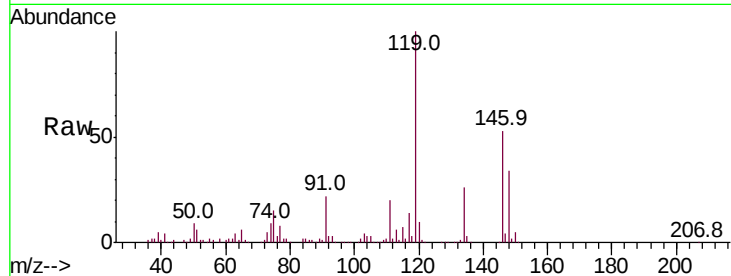
#83
 1,3-Dichlorobenzene
 Concen: 19.295 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	64.3	32.2	96.6

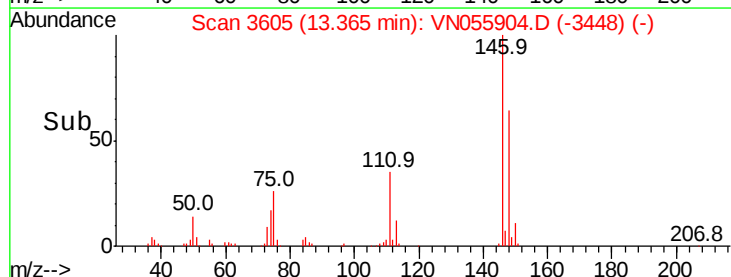
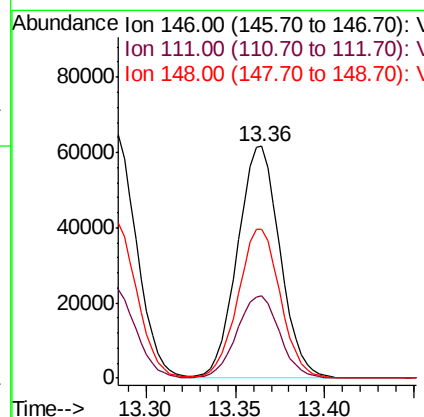
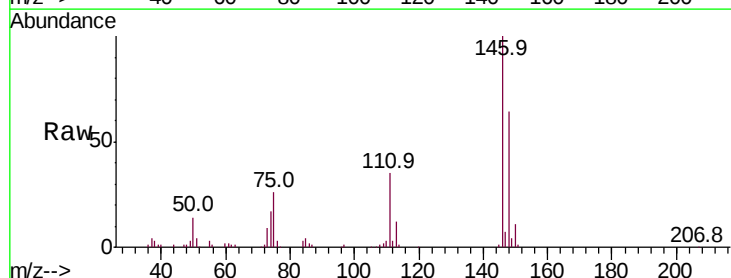
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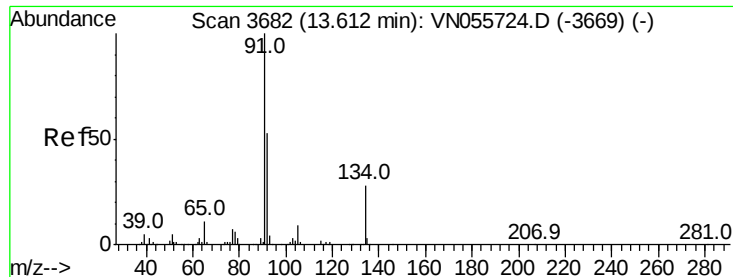
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#84
 1,4-Dichlorobenzene
 Concen: 18.535 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.5	52.6
148	64.0	31.8	95.4





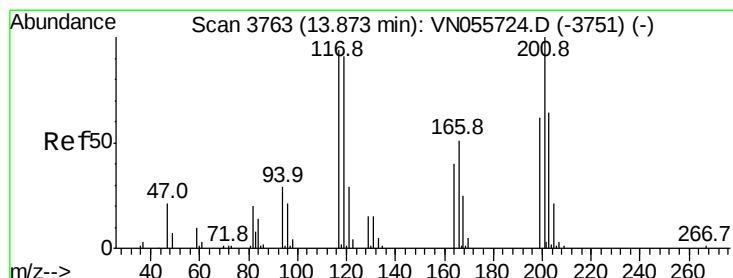
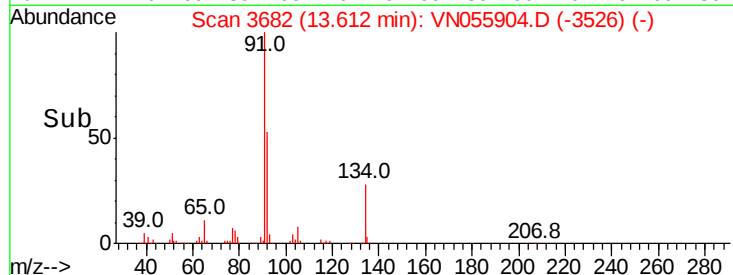
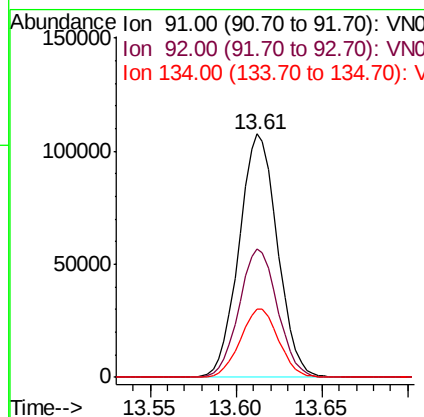
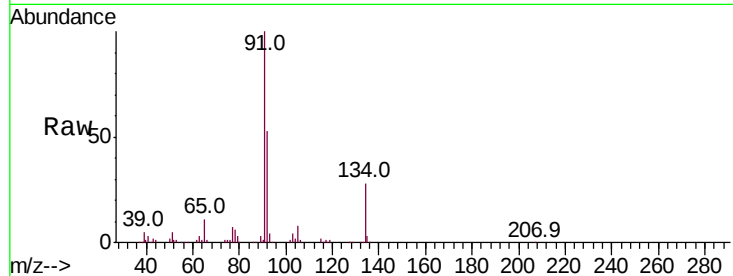
#85
n-Butylbenzene
Concen: 18.006 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	166345		
92	52.8	0.0	106.8	
134	28.0	0.0	55.2	

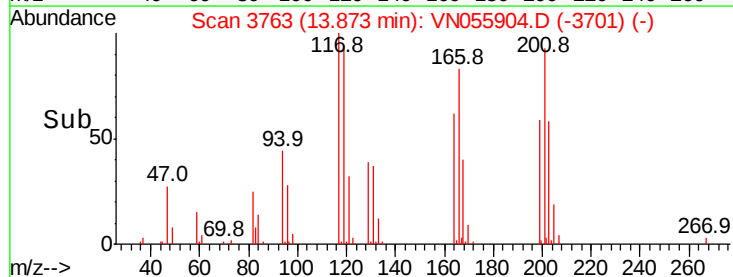
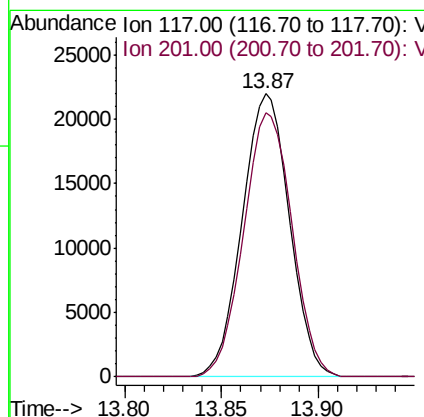
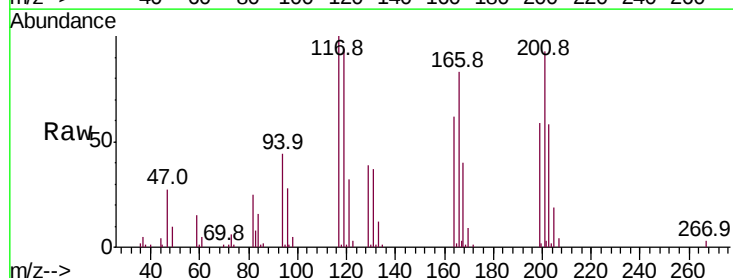
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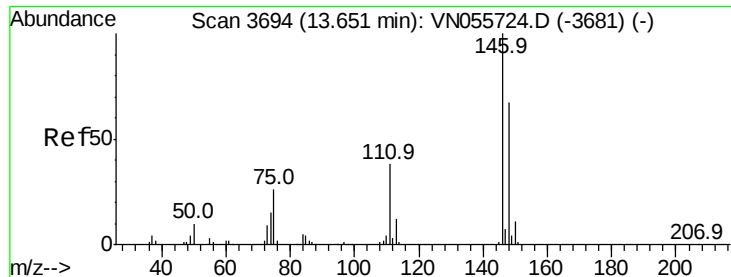
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#86
Hexachloroethane
Concen: 15.996 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37361		
201	95.4	52.5	157.6	





#87

1,2-Dichlorobenzene

Concen: 19.682 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Instrument :

MSVOA_N

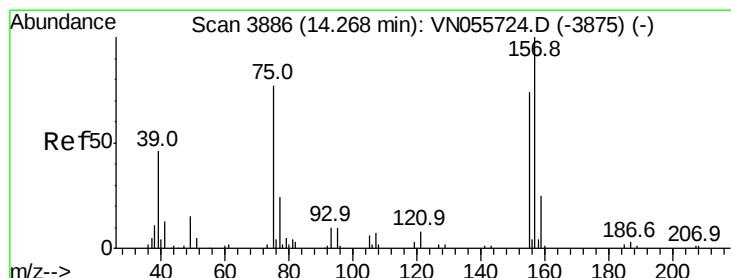
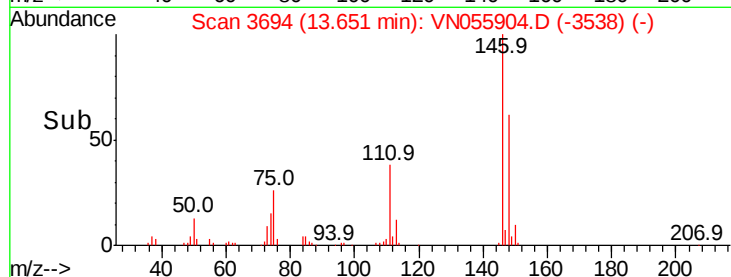
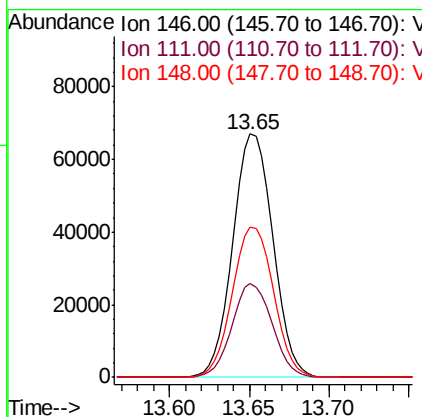
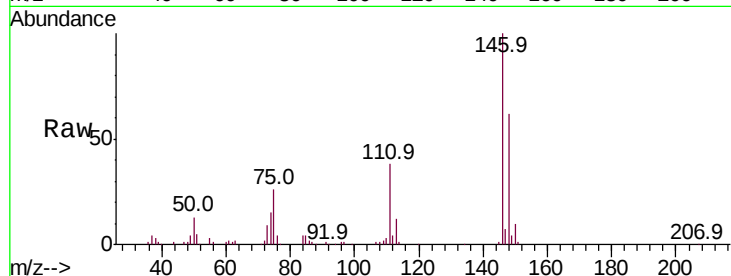
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	114861
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.2	57.6
148	63.4	32.7	98.1

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.695 ug/l

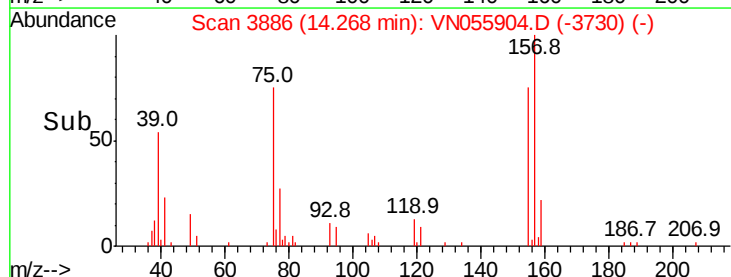
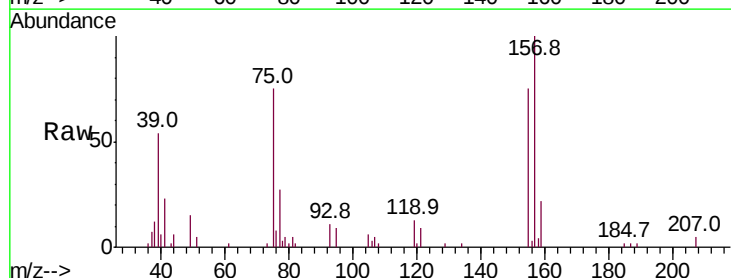
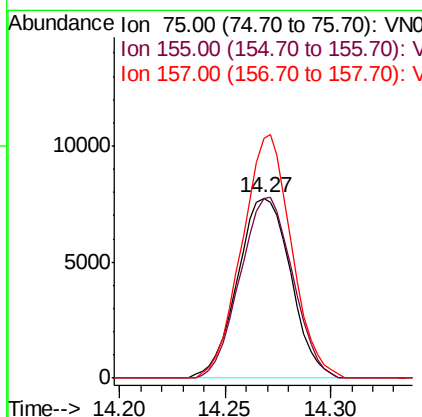
RT: 14.27 min Scan# 3886

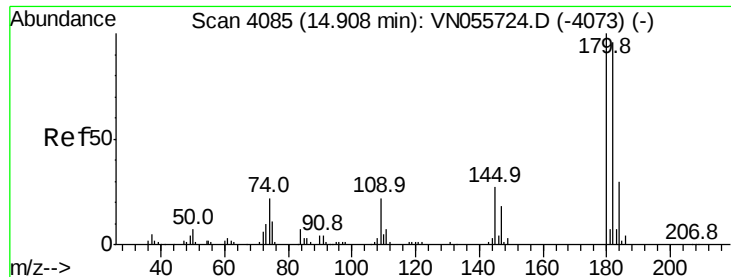
Delta R.T. 0.00 min

Lab File: VN055904.D

Acq: 30 May 2019 17:04

Tgt Ion:	75	Resp:	13609
Ion Ratio	Lower	Upper	
75	100		
155	99.0	78.4	117.6
157	125.9	105.0	157.4





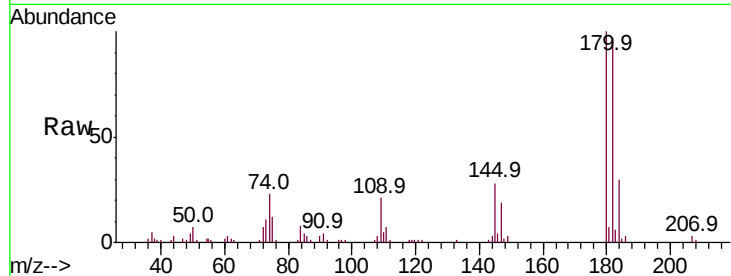
#89
 1,2,4-Trichlorobenzene
 Concen: 14.274 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.1	114.1
145	28.2	21.8	32.8

Manual Integrations
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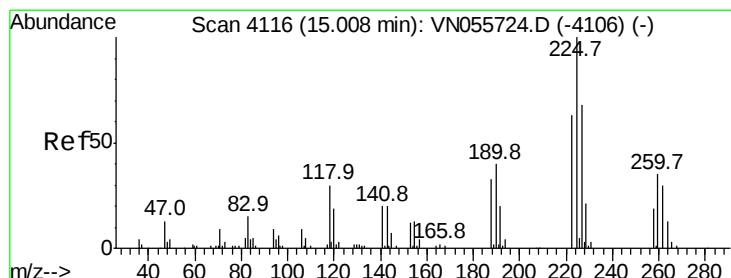
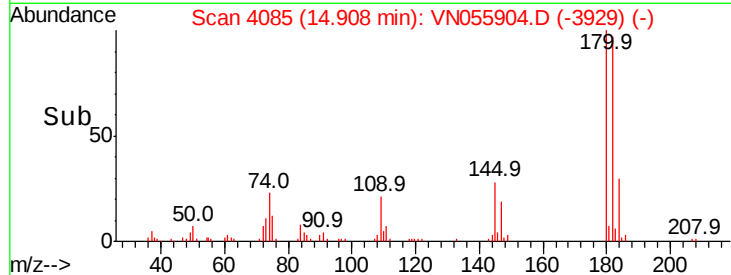
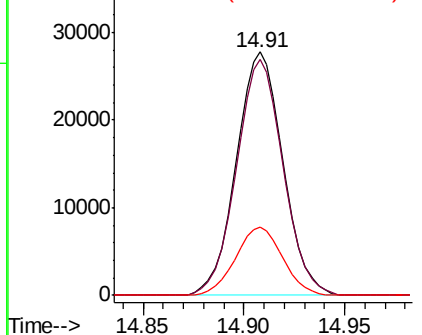


Abundance

Ion 180.00 (179.70 to 180.70): V

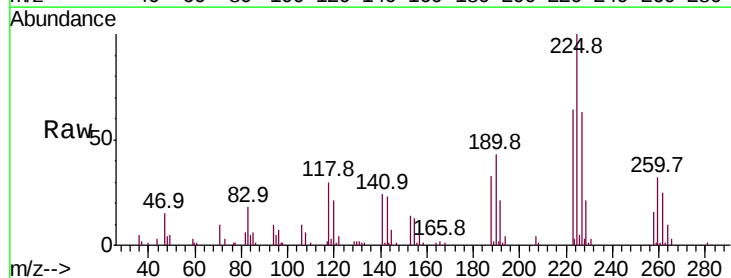
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 16.980 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055904.D
 Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	0.0	126.0
227	64.1	0.0	133.0

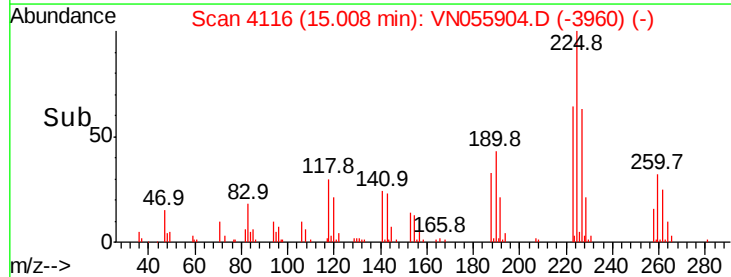
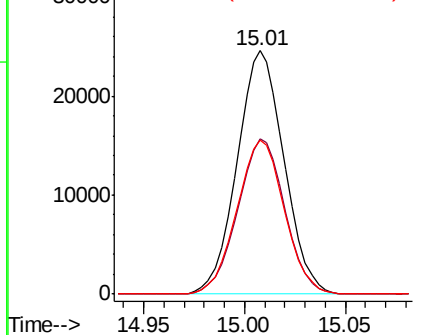


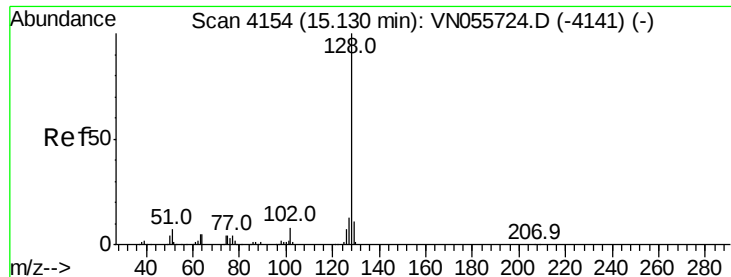
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





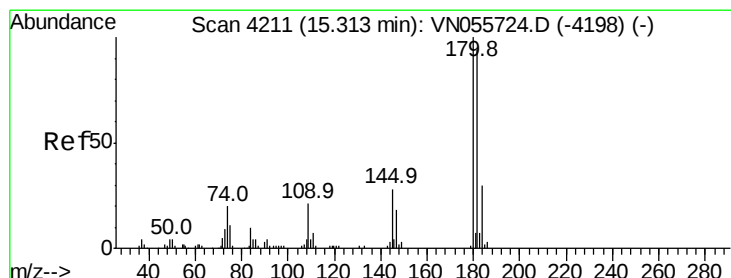
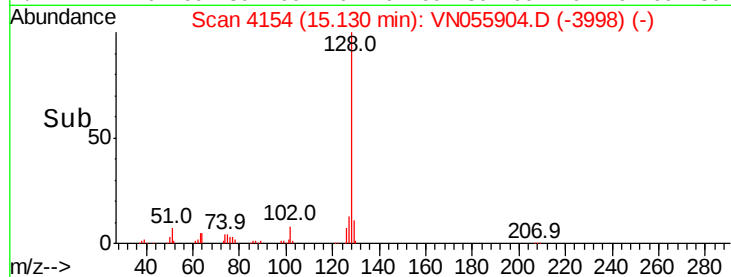
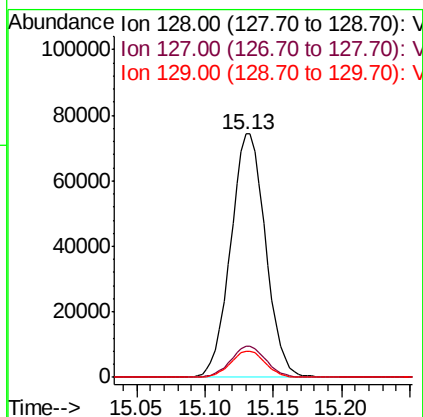
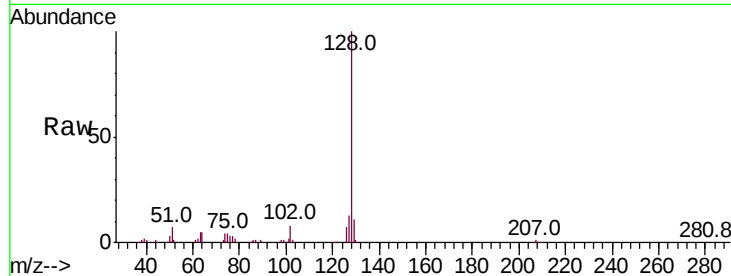
#91
Naphthalene
Concen: 15.333 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:38:45 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.818 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055904.D
Acq: 30 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	188.6
145	32.0	0.0	56.8

