

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056300.D
 Acq On : 14 Jun 2019 9:19
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:46:02 AM

Quant Time: Jun 17 14:16:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	60215	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	322203	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	283436	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	124383	33.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.87%
60) 4-Bromofluorobenzene	12.40	95	124221	29.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.57%
63) Toluene-d8	10.09	98	409202	31.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	72712	21.469 ug/l	97
3) Chloromethane	2.06	50	79364	20.057 ug/l	100
4) Vinyl Chloride	2.19	62	82580	20.469 ug/l	100
5) Bromomethane	2.52	94	43788m	17.270 ug/l	
6) Chloroethane	2.68	64	46566m	20.406 ug/l	
7) Trichlorofluoromethane	3.00	101	104498	20.934 ug/l	98
8) Diethyl Ether	3.40	74	40945	19.340 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	65898	21.386 ug/l	97
10) 1,1-Dichloroethene	3.72	96	61876	19.686 ug/l	99
11) Methyl Iodide	3.94	142	72752	14.670 ug/l	98
12) Methyl Acetate	4.33	43	75157	19.898 ug/l	100
13) Acrolein	3.60	56	20401	110.815 ug/l	98
14) Acrylonitrile	4.99	53	168847	100.241 ug/l	99
15) Acetone	3.82	58	70051	127.013 ug/l	98
16) Carbon Disulfide	4.04	76	154687	20.683 ug/l	100
17) Allyl chloride	4.31	41	100687	20.675 ug/l	98
18) Methylene Chloride	4.54	84	74184	20.387 ug/l	96
19) trans-1,2-Dichloroethene	5.03	96	67201	20.029 ug/l	100
20) Diisopropyl ether	5.95	45	207888	20.603 ug/l	98
21) 1,1-Dichloroethane	5.84	63	122659	20.918 ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	77068	19.680 ug/l	97
23) tert-Butyl Alcohol	4.81	59	45255	69.025 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	193494	19.316 ug/l	99
25) Chloroform	7.37	83	121781	20.798 ug/l	98
26) Cyclohexane	7.65	56	111157	20.432 ug/l #	97
29) 1,1-Dichloropropene	7.79	75	90523	20.770 ug/l	98
30) 2-Butanone	6.84	43	250850	109.329 ug/l	98
31) 2,2-Dichloropropane	6.82	77	81800	20.175 ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	99859	20.738 ug/l	98
33) Carbon Tetrachloride	7.77	117	86067	21.097 ug/l	99
34) Benzene	8.04	78	283573	20.420 ug/l	96
35) Methacrylonitrile	7.17	41	43393m	22.396 ug/l	
36) 1,2-Dichloroethane	8.12	62	94552	21.738 ug/l	96
37) Trichloroethene	8.83	130	77589	19.967 ug/l	100
38) Methylcyclohexane	9.08	83	109608	19.837 ug/l	98
39) 1,2-Dichloropropane	9.12	63	75527	21.236 ug/l	94
40) Dibromomethane	9.21	93	48863	20.721 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	91130	21.581	ug/l	100
42) Vinyl Acetate	5.89	43	821643	100.445	ug/l	98
43) Ethyl Acetate	6.93	43	84643	19.276	ug/l	94
44) Isopropyl Acetate	8.17	43	127166	18.651	ug/l	98
45) 1,4-Dioxane	9.21	88	26227	359.593	ug/l	92
46) Methyl methacrylate	9.20	41	67069	19.801	ug/l	94
47) n-amyl Acetate	12.07	43	100817	17.880	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	84777	19.077	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	104766	20.133	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	71848	20.513	ug/l	99
51) Ethyl methacrylate	10.43	69	97143	18.332	ug/l	97
52) 1,3-Dichloropropane	10.71	76	117552	20.702	ug/l	99
53) Dibromochloromethane	10.90	129	70330	20.512	ug/l	99
54) 1,2-Dibromoethane	11.00	107	73129	20.008	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	152046	81.918	ug/l	99
56) Bromoform	12.13	173	49467	19.943	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	425299	99.093	ug/l	97
59) 2-Hexanone	10.75	43	311342	101.492	ug/l	99
61) Tetrachloroethene	10.63	164	76558	19.380	ug/l	98
62) Toluene	10.15	91	305743	19.982	ug/l	100
64) Chlorobenzene	11.43	112	184653	19.896	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	68986	20.613	ug/l	99
66) Ethyl Benzene	11.51	91	319201	19.586	ug/l	99
67) m/p-Xylenes	11.62	106	240553	38.563	ug/l	94
68) o-Xylene	11.95	106	117225	19.196	ug/l	97
69) Styrene	11.96	104	186617	18.809	ug/l	98
70) Isopropylbenzene	12.25	105	312355	19.576	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	96201	19.998	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	76216m	18.302	ug/l	
73) Bromobenzene	12.53	156	80576	19.026	ug/l	97
74) n-propylbenzene	12.59	91	324080	19.247	ug/l	98
75) 2-Chlorotoluene	12.67	91	203631	19.497	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	253644	19.326	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	20587	17.325	ug/l	90
78) 4-Chlorotoluene	12.77	91	182473	18.708	ug/l	97
79) tert-butylbenzene	12.99	119	222898	19.169	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	241019	18.878	ug/l	99
81) sec-Butylbenzene	13.17	105	285712	19.423	ug/l	99
82) p-Isopropyltoluene	13.29	119	243479	18.308	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	118635	17.975	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	105506	16.782	ug/l	99
85) n-Butylbenzene	13.61	91	160468	16.167	ug/l	98
86) Hexachloroethane	13.87	117	42760	20.624	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	115745	17.253	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13879	18.380	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	40532	17.167	ug/l	100
90) Hexachlorobutadiene	15.01	225	44372	18.118	ug/l	99
91) Naphthalene	15.13	128	108196	12.143	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	48713	13.871	ug/l	98

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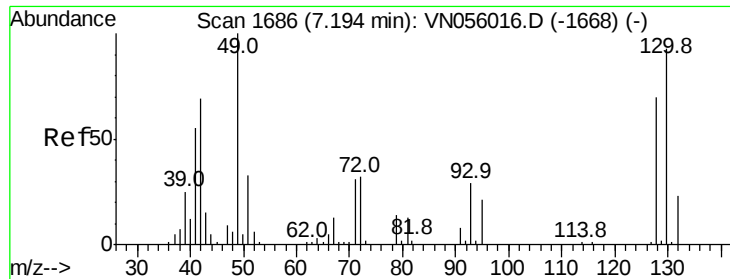
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



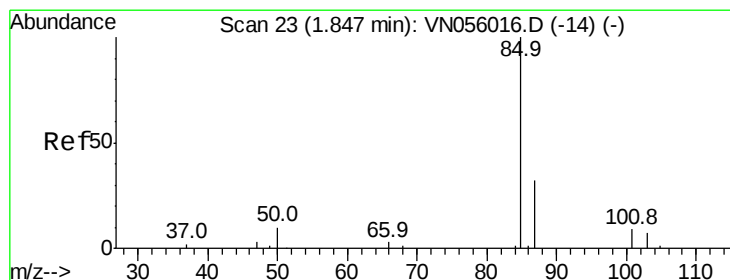
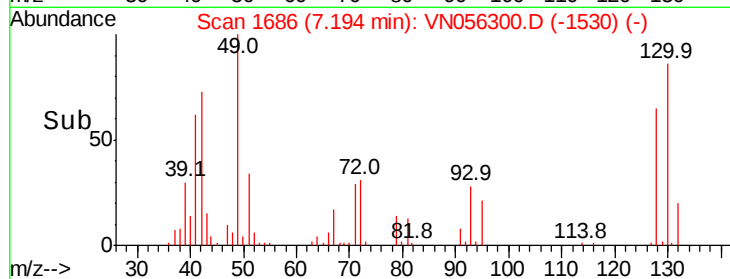
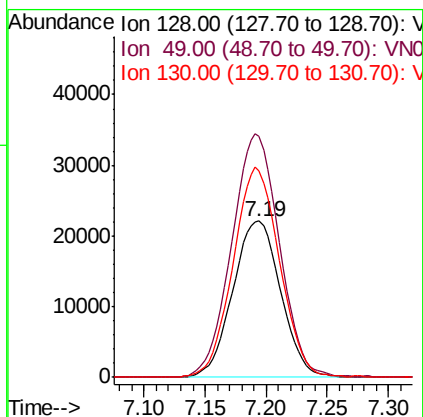
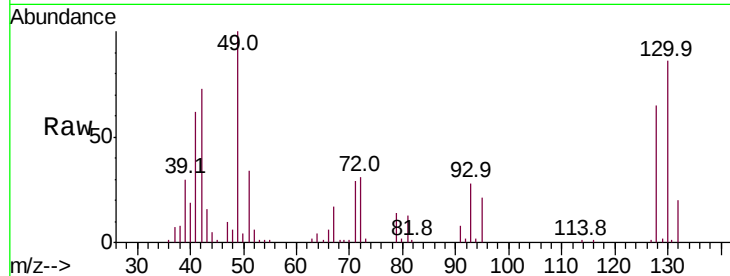
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	154.5	0.0	355.8
130	130.2	0.0	326.3

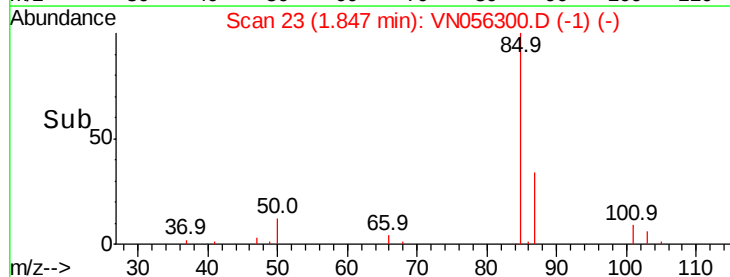
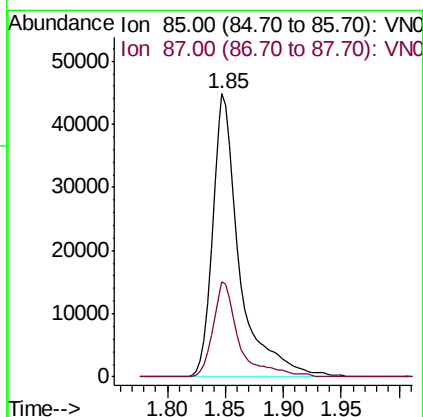
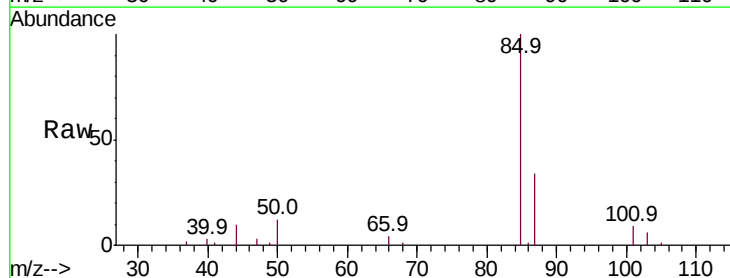
Manual Integrations
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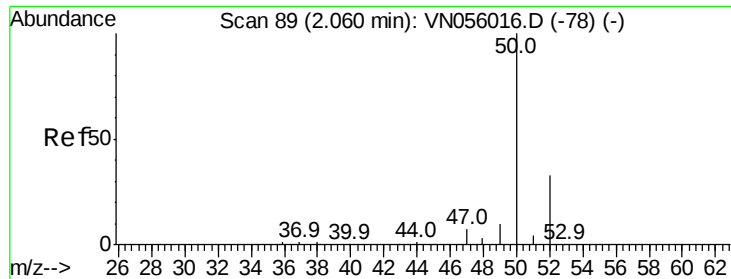
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#2
Dichlorodifluoromethane
Concen: 21.469 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	15.9	47.7





#3

Chloromethane

Concen: 20.057 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 79364

Ion Ratio Lower Upper

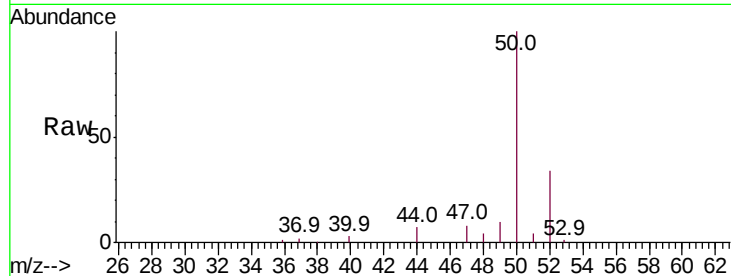
50 100

52 33.5 26.7 40.1

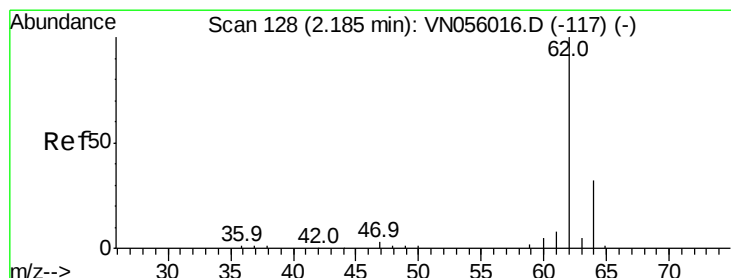
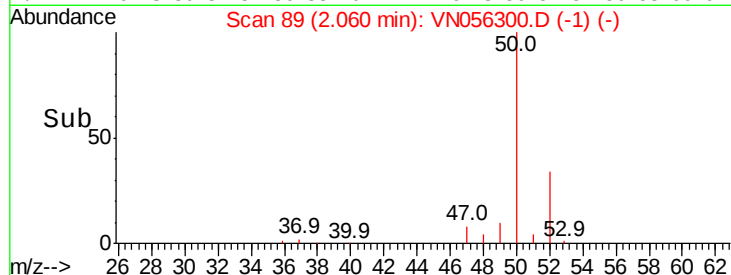
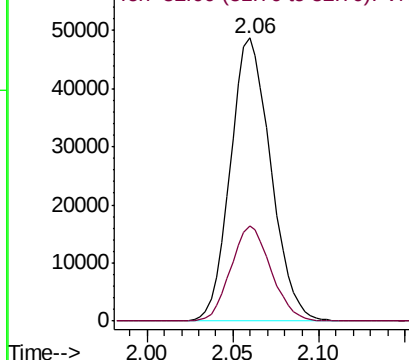
Manual Integrations
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Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.469 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056300.D

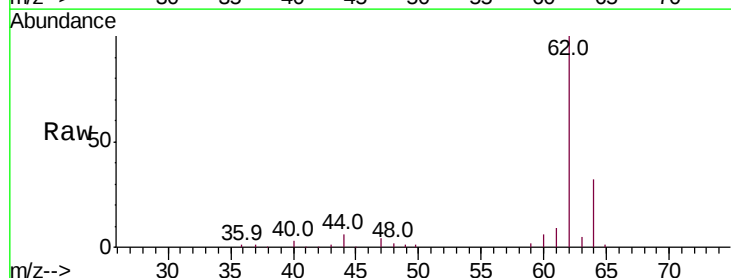
Acq: 14 Jun 2019 9:19

Tgt Ion: 62 Resp: 82580

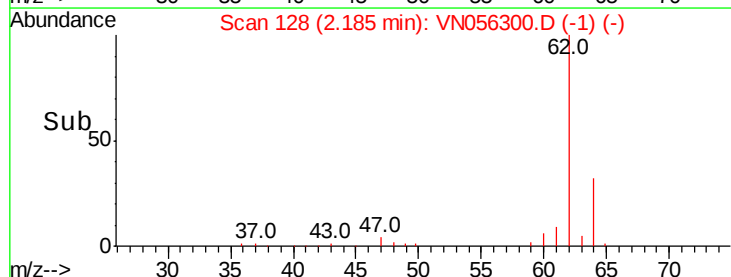
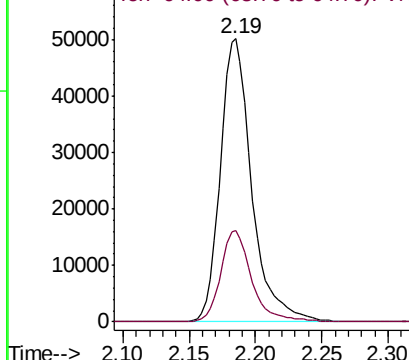
Ion Ratio Lower Upper

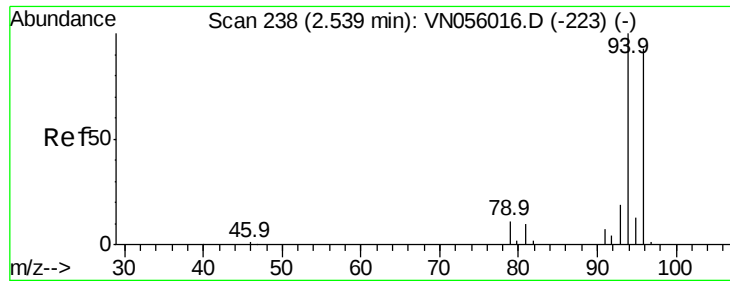
62 100

64 32.4 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 17.270 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 43788

Ion Ratio Lower Upper

94 100

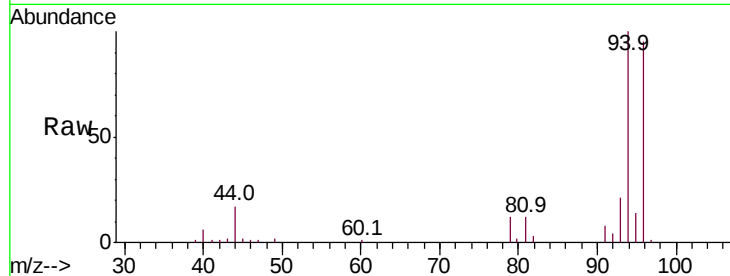
96 95.2 74.1 111.1

Manual Integrations

APPROVED

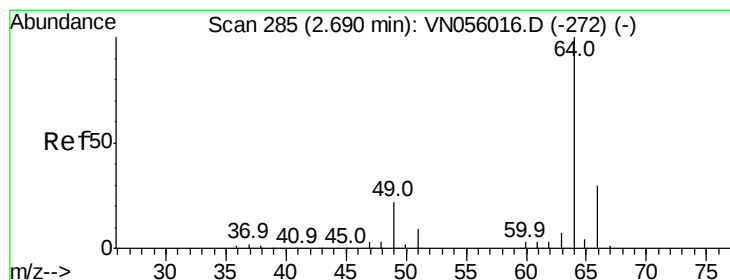
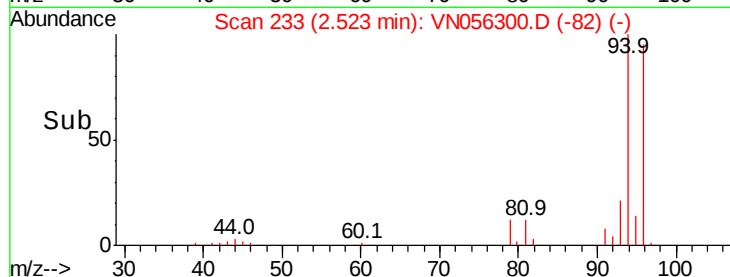
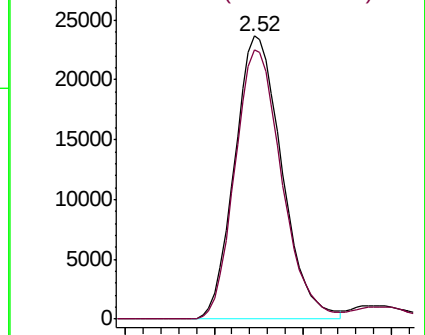
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.406 ug/l m

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056300.D

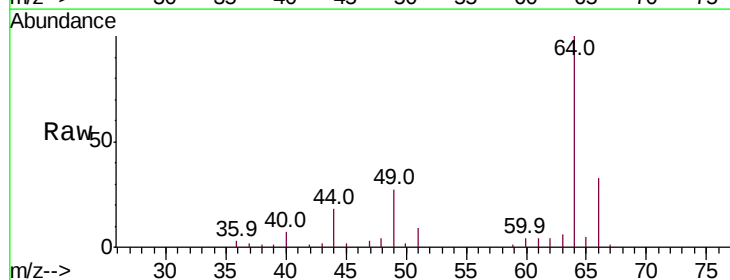
Acq: 14 Jun 2019 9:19

Tgt Ion: 64 Resp: 46566

Ion Ratio Lower Upper

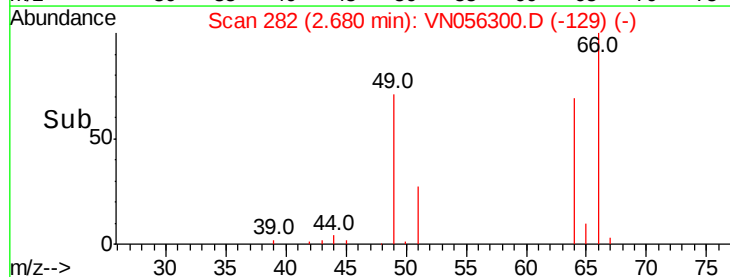
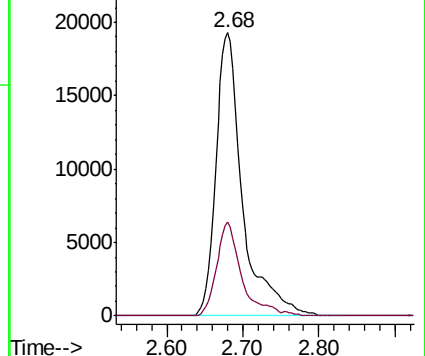
64 100

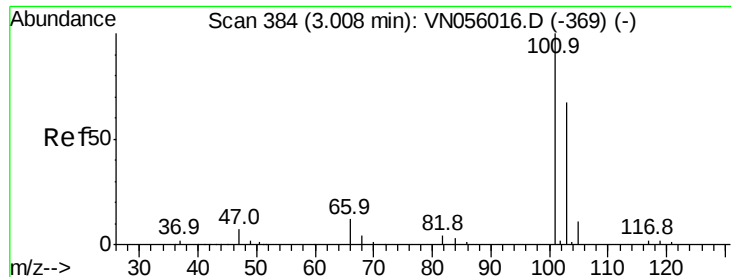
66 33.2 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

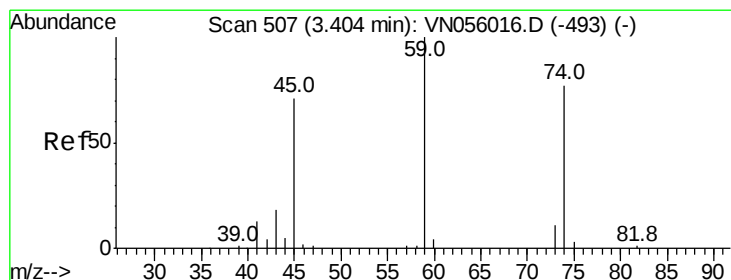
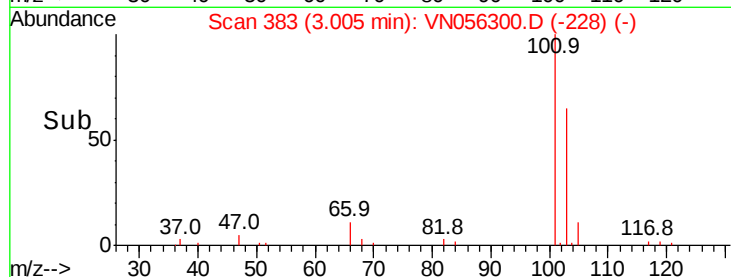
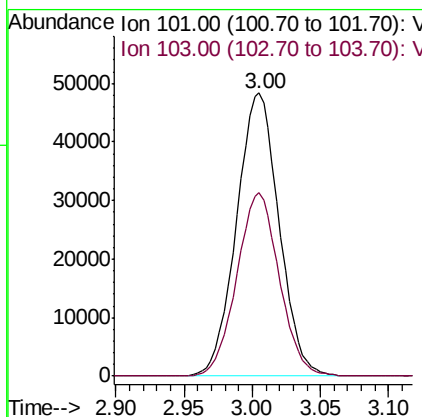
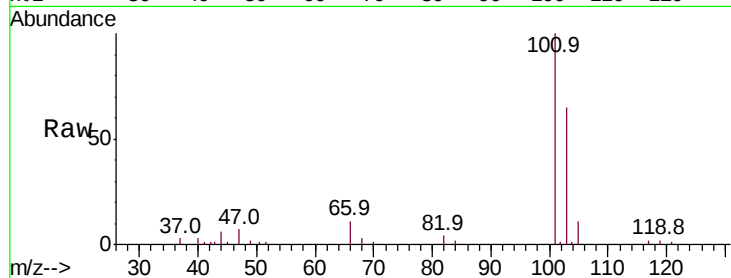
Trichlorofluoromethane
Concen: 20.934 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.4	80.0

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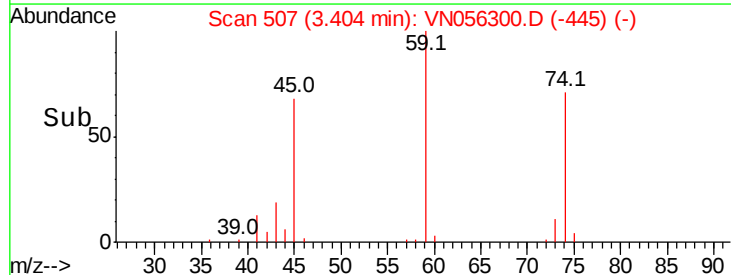
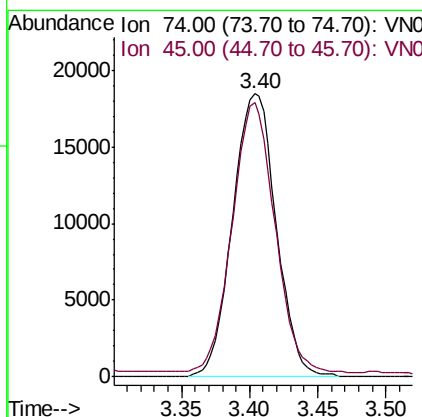
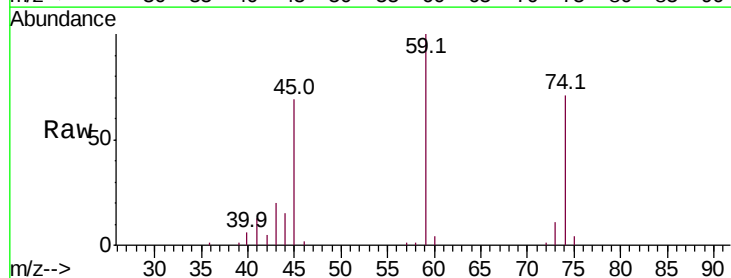
MMDadoda
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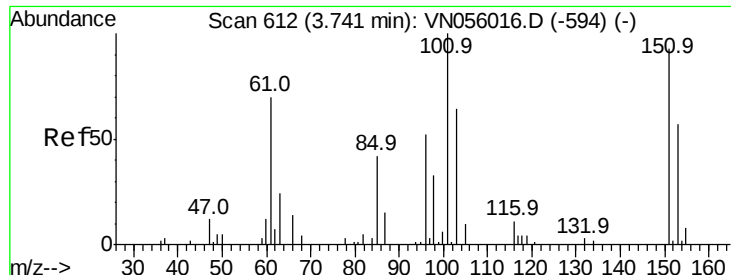


#8

Diethyl Ether
Concen: 19.340 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.386 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

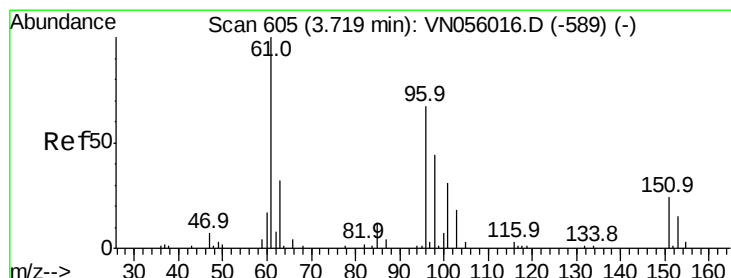
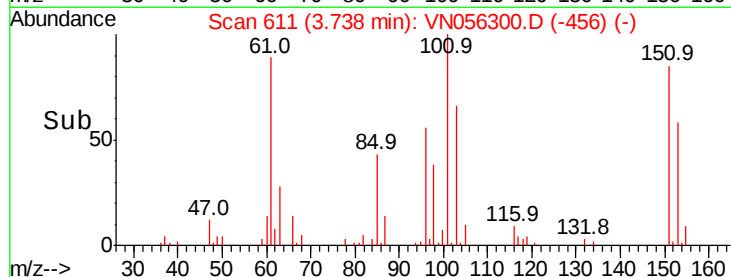
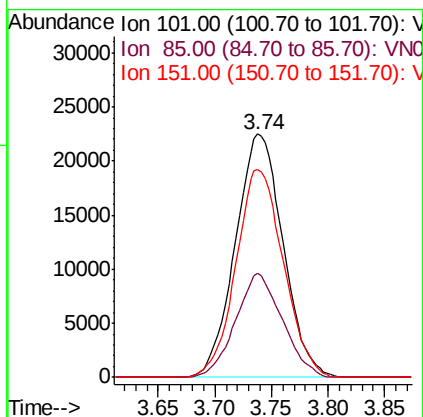
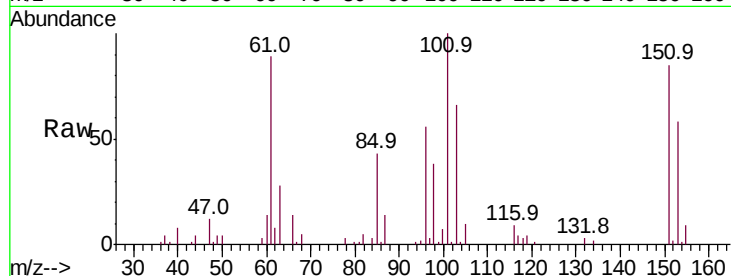
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	65898
Ion Ratio	Lower	Upper	
101	100		
85	41.7	0.0	82.0
151	85.1	0.0	177.0

Manual Integrations
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6/17/2019 9:46:02 AM



#10

1,1-Dichloroethene

Concen: 19.686 ug/l

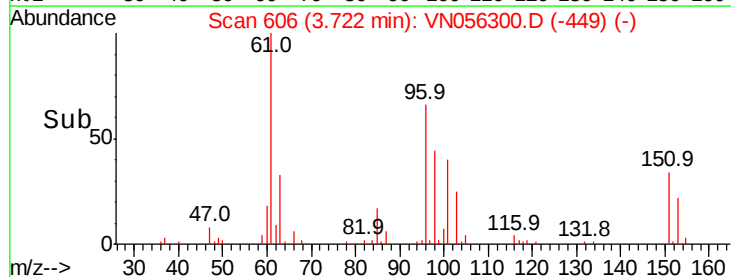
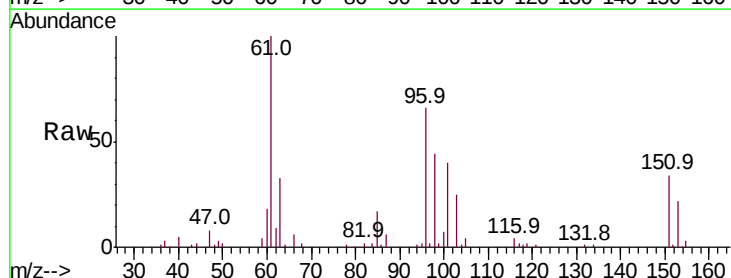
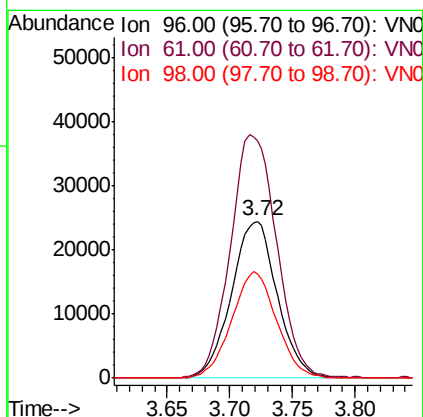
RT: 3.72 min Scan# 606

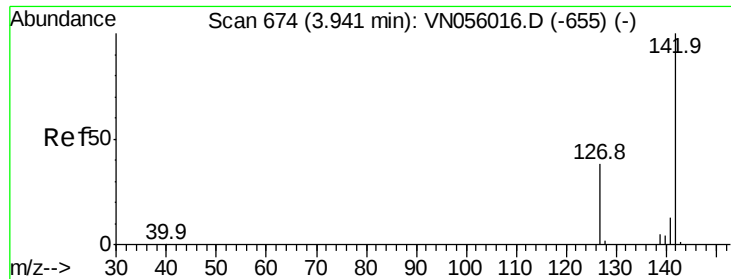
Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	96	Resp:	61876
Ion Ratio	Lower	Upper	
96	100		
61	150.2	119.7	179.5
98	66.2	52.3	78.5





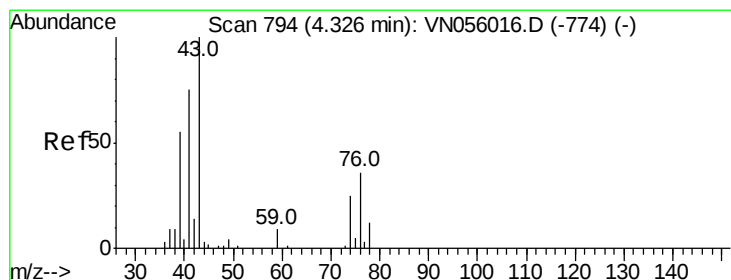
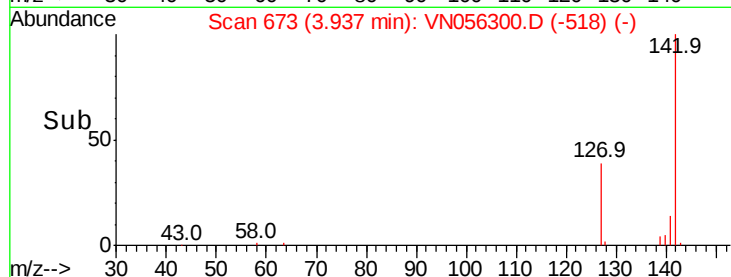
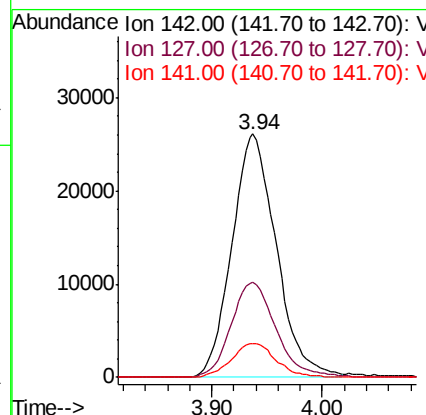
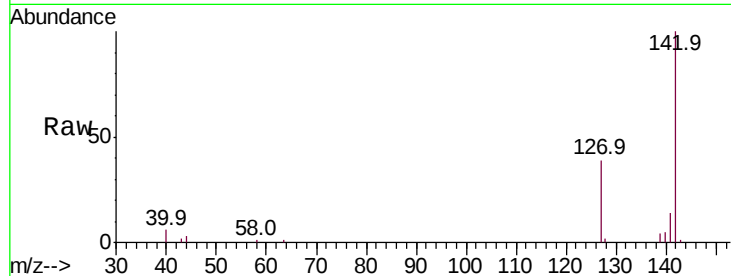
#11
Methyl Iodide
Concen: 14.670 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.2	19.0	57.0
141	14.1	6.7	20.0

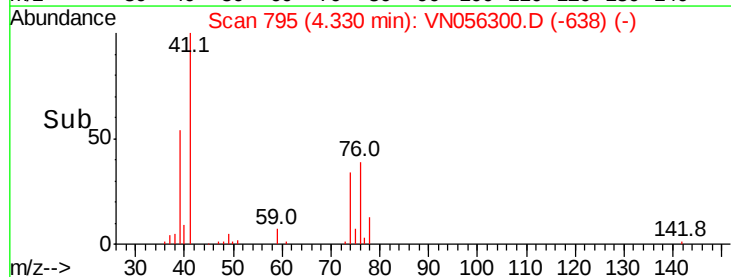
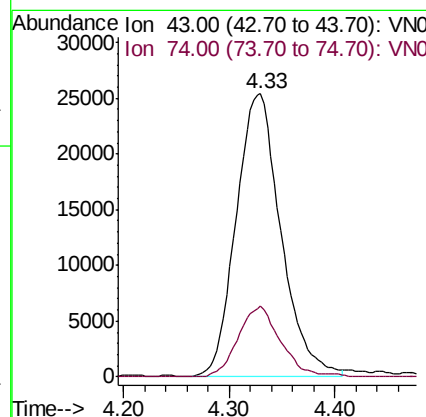
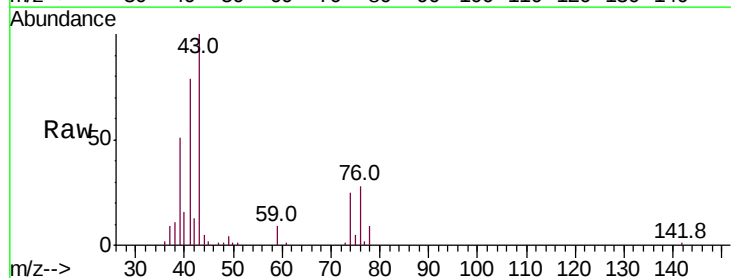
Manual Integrations
APPROVED

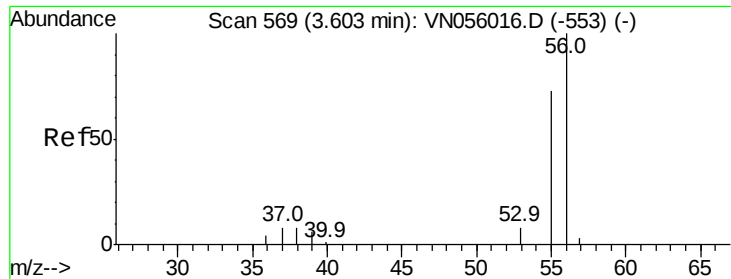
MMDadoda
6/17/2019 9:46:02 AM



#12
Methyl Acetate
Concen: 19.898 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.9	29.9





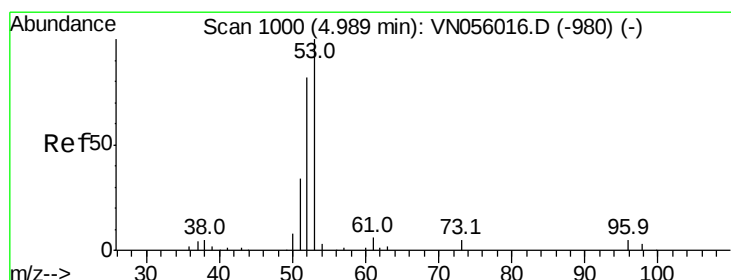
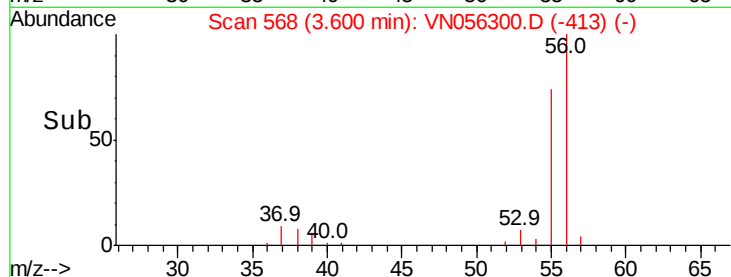
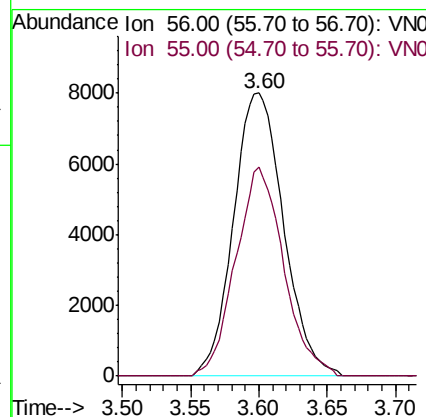
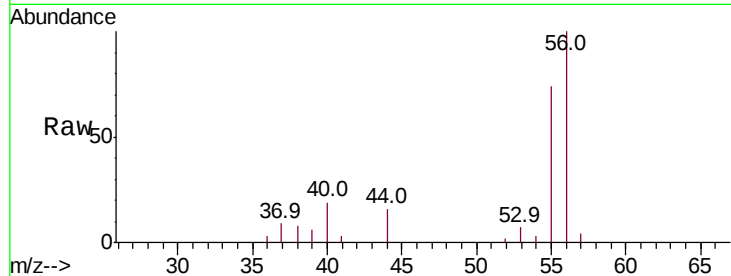
#13
Acrolein
Concen: 110.815 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 56 Resp: 20401
Ion Ratio Lower Upper
56 100
55 70.9 57.9 86.9

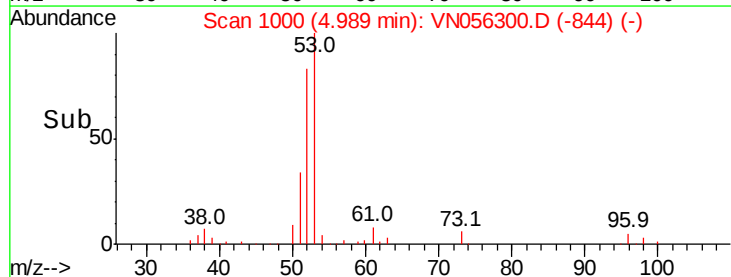
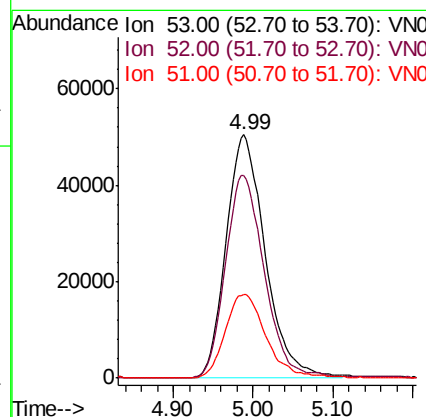
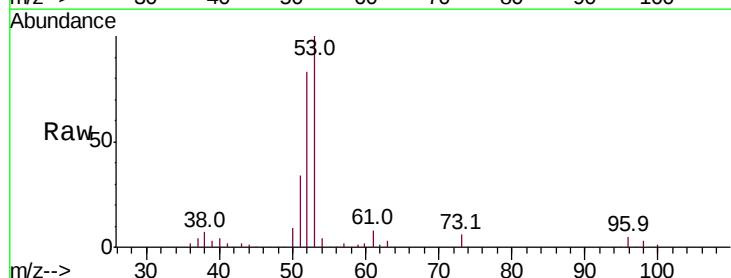
Manual Integrations
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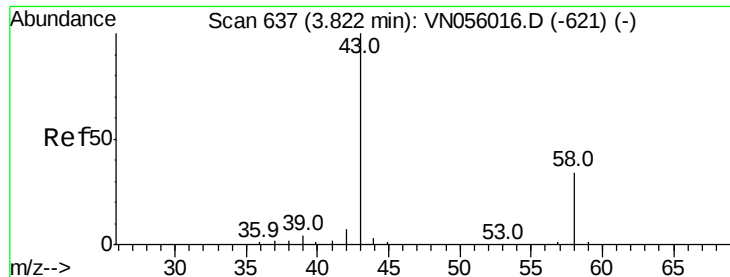
MMDadoda
6/17/2019 9:46:02 AM



#14
Acrylonitrile
Concen: 100.241 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion: 53 Resp: 168847
Ion Ratio Lower Upper
53 100
52 81.8 40.8 122.2
51 35.4 17.3 52.0





#15

Acetone

Concen: 127.013 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 70051

Ion Ratio Lower Upper

58 100

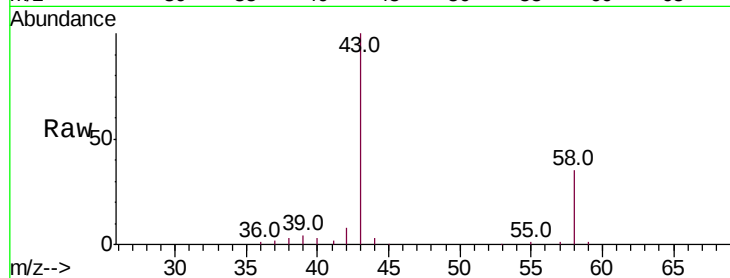
43 287.7 232.5 348.7

Manual Integrations

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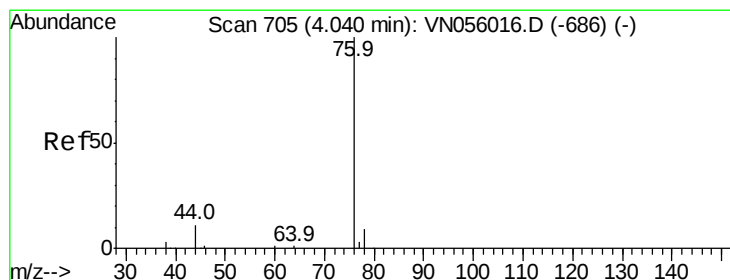
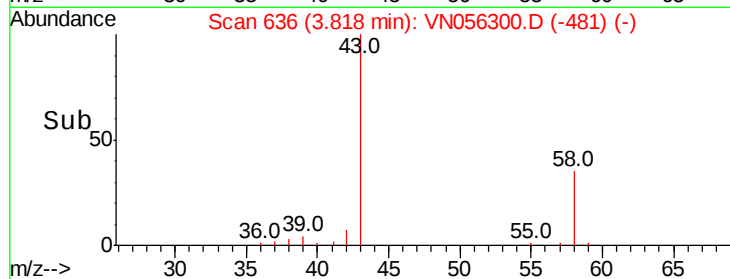
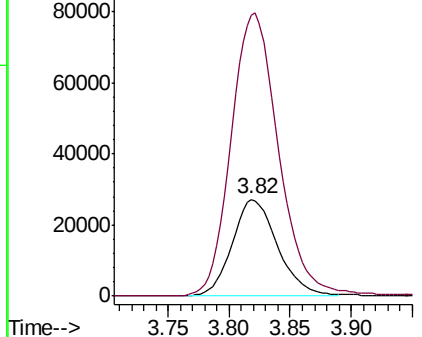
MMDadoda

6/17/2019 9:46:02 AM



Abundance Ion 58.00 (57.70 to 58.70): VN056016.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN056016.D (-621) (-)



#16

Carbon Disulfide

Concen: 20.683 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056300.D

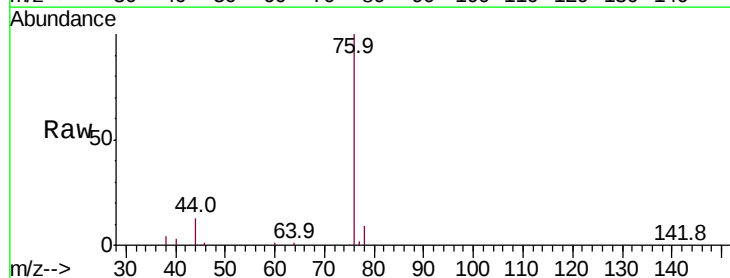
Acq: 14 Jun 2019 9:19

Tgt Ion: 76 Resp: 154687

Ion Ratio Lower Upper

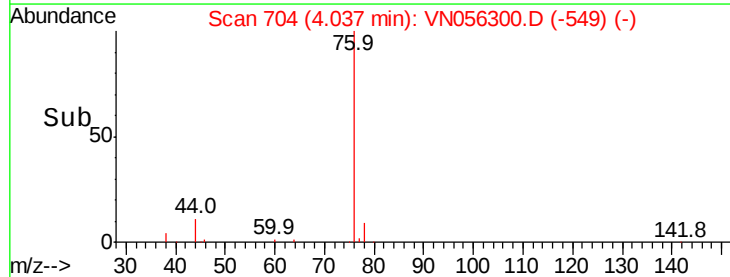
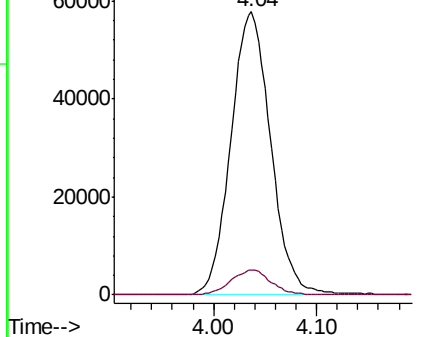
76 100

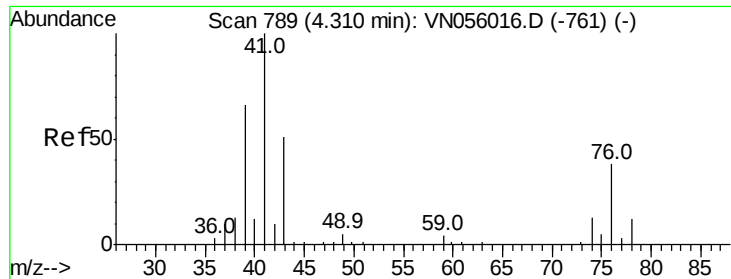
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056016.D (-686) (-)

Ion 78.00 (77.70 to 78.70): VN056016.D (-686) (-)





#17

Allvl chloride

Concen: 20.675 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

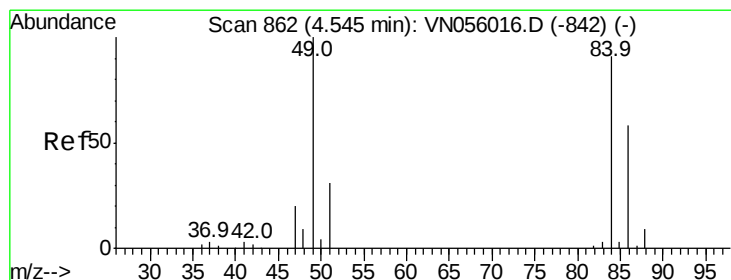
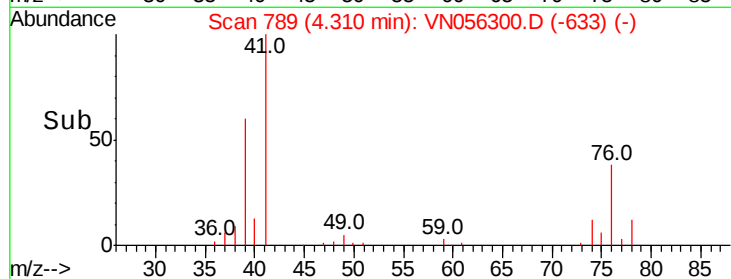
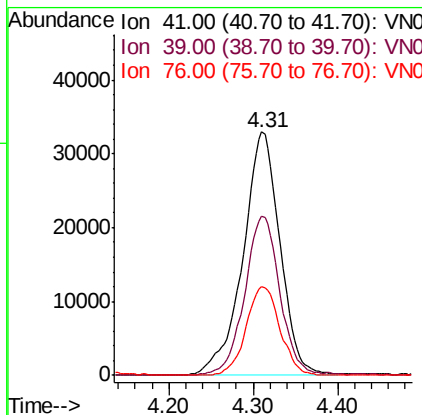
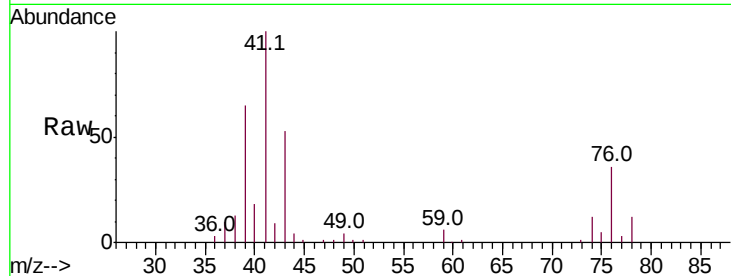
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	100687
Ion Ratio		Lower	Upper
41	100		
39	65.2	33.0	99.0
76	36.3	18.9	56.9

Manual Integrations
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#18

Methylene Chloride

Concen: 20.387 ug/l

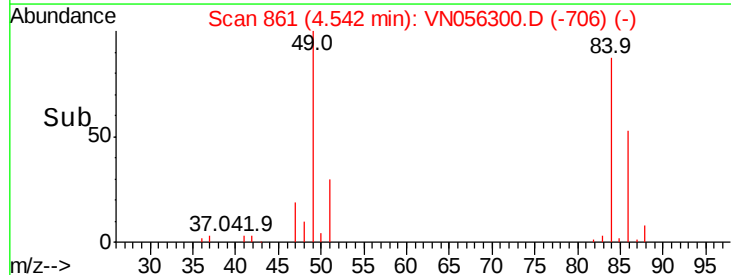
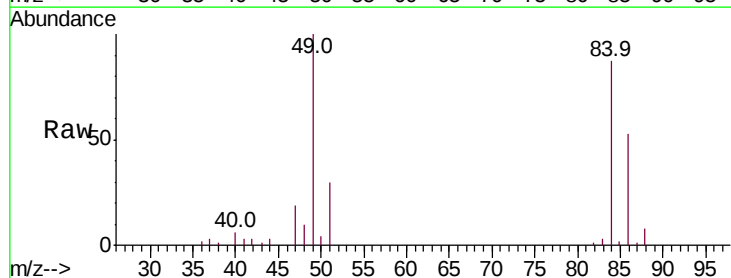
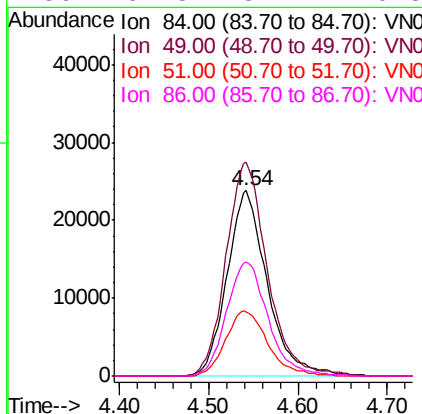
RT: 4.54 min Scan# 861

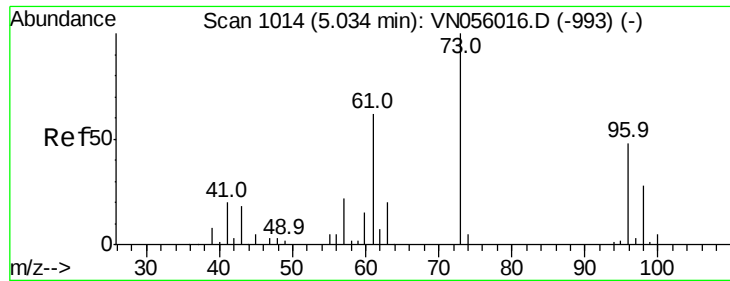
Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	84	Resp:	74184
Ion Ratio		Lower	Upper
84	100		
49	114.5	87.6	131.4
51	34.6	27.0	40.4
86	61.3	51.2	76.8





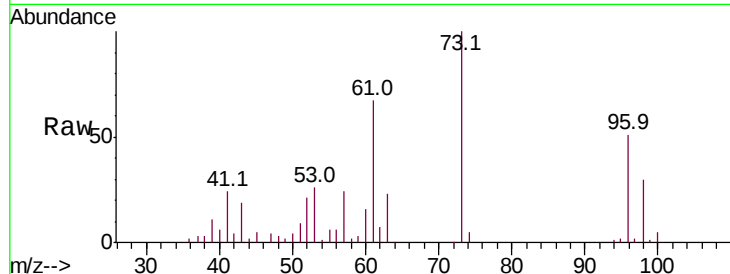
#19
trans-1,2-Dichloroethene
Concen: 20.029 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	102.5	153.7
98	59.0	46.9	70.3

Manual Integrations
APPROVED

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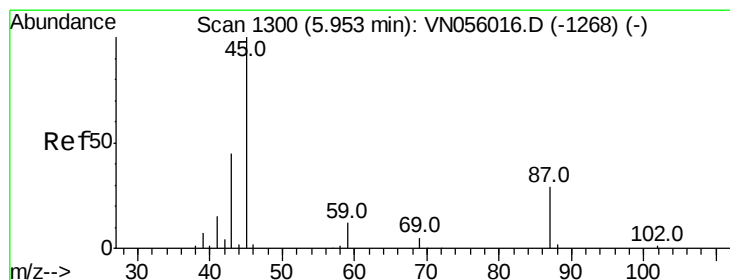
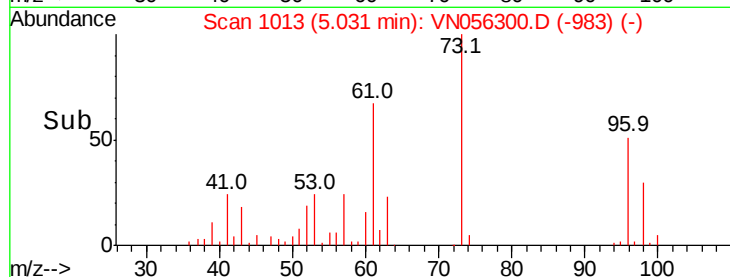
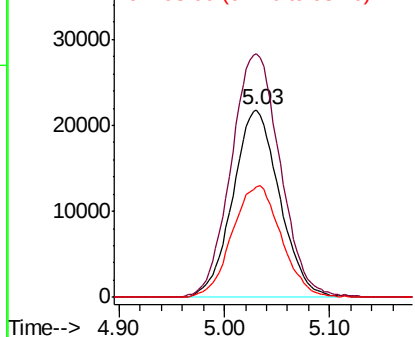


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 20.603 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	48.0	72.0
87	28.2	23.4	35.2
59	12.0	9.2	13.8

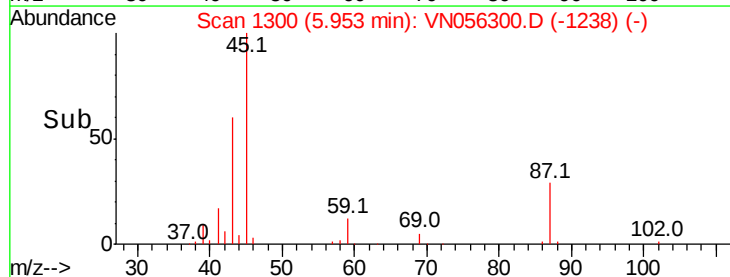
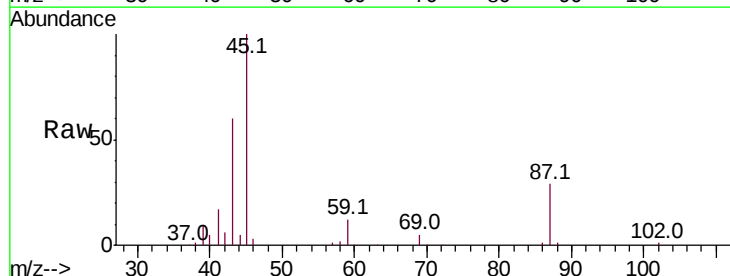
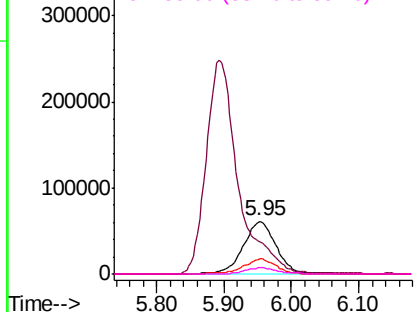
Abundance

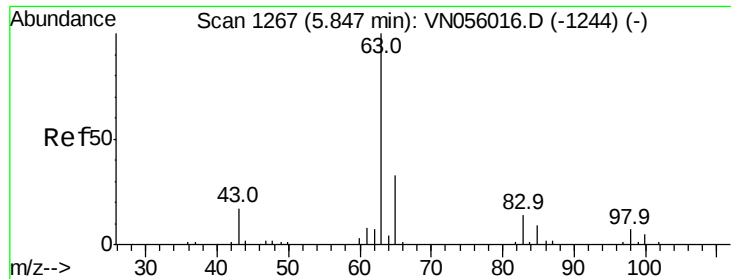
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 20.918 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

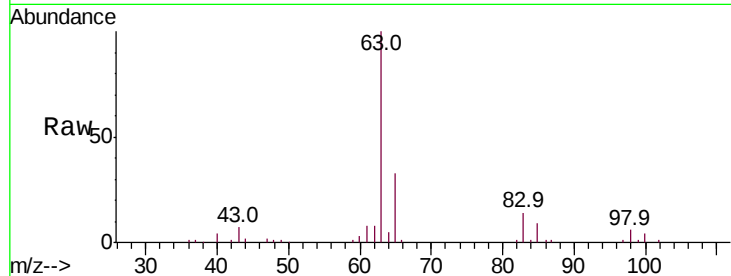
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	122659		
98	5.8		3.5	10.5
100	4.1		2.3	6.9

Manual Integrations
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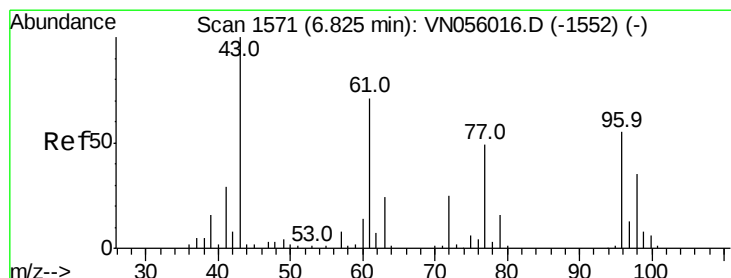
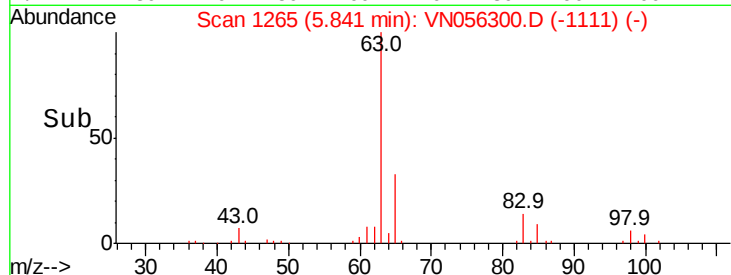
Abundance Ion 63.00 (62.70 to 63.70): VN056016.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-1244) (-)

5.84

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.680 ug/l

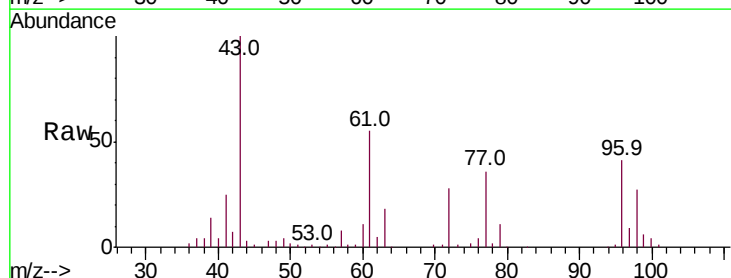
RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77068		
61	137.9		105.7	158.5
98	65.2		52.0	78.0



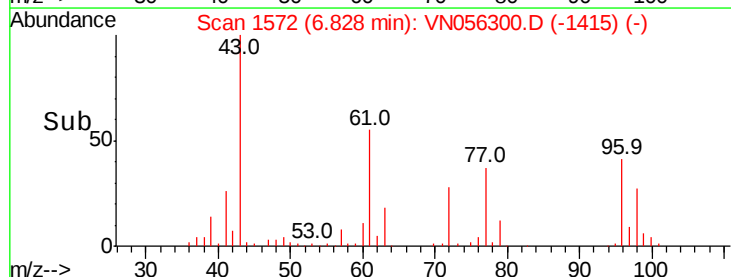
Abundance Ion 96.00 (95.70 to 96.70): VN056016.D (-1552) (-)

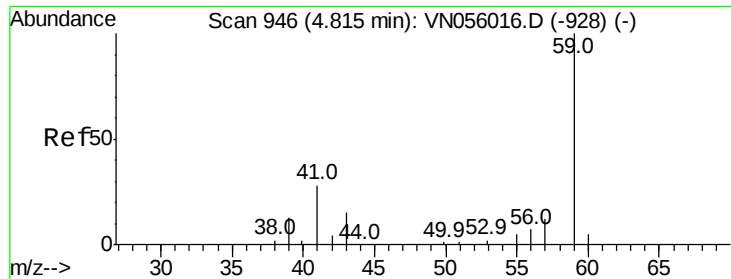
Ion 61.00 (60.70 to 61.70): VN056016.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN056016.D (-1552) (-)

6.83

Time-->





#23

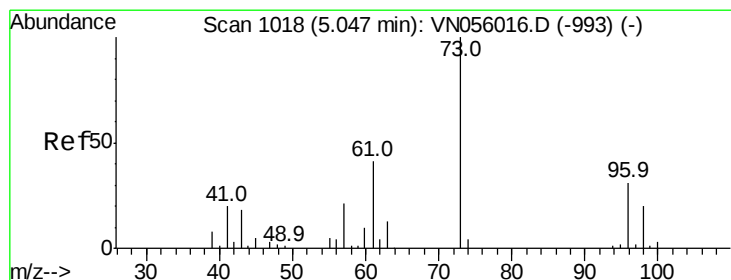
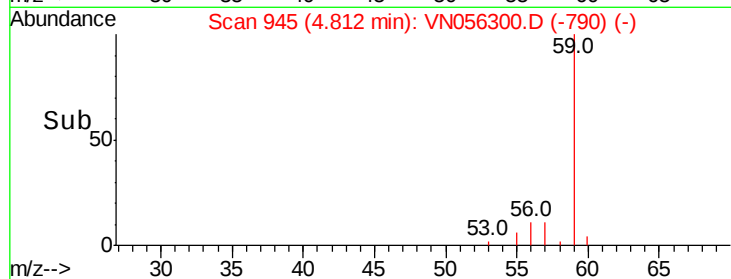
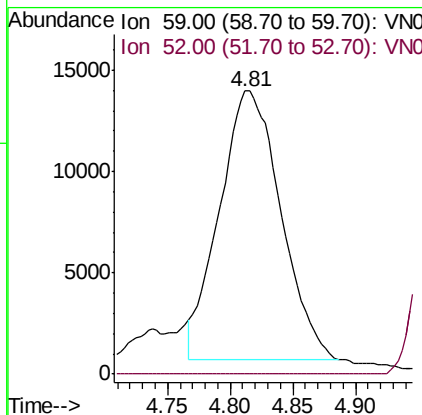
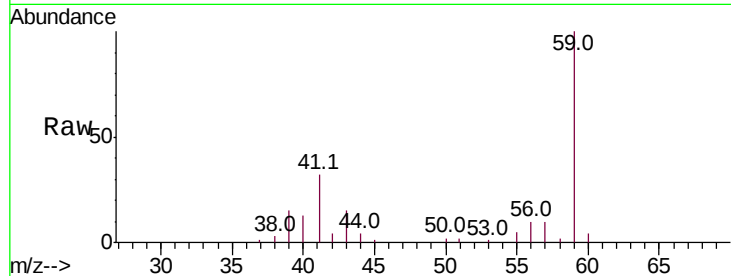
tert-Butyl Alcohol
 Concen: 69.025 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	59	52	Ratio	100	0.0	Resp	45255	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	45255	Lower	Upper

Manual Integrations
 APPROVED

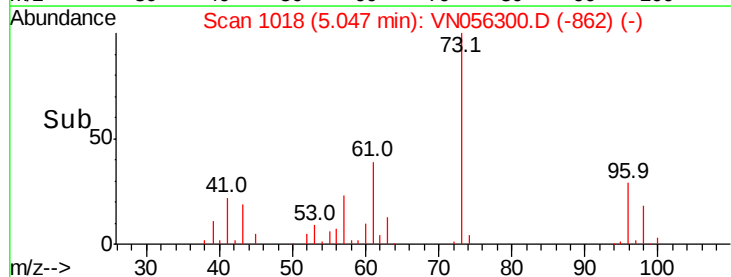
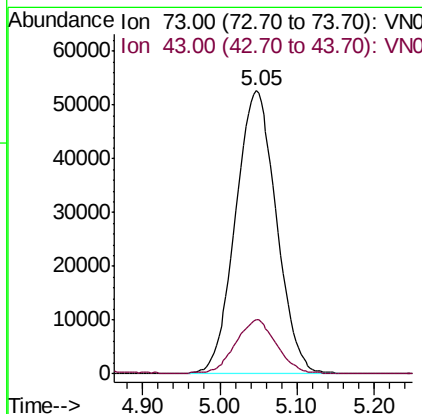
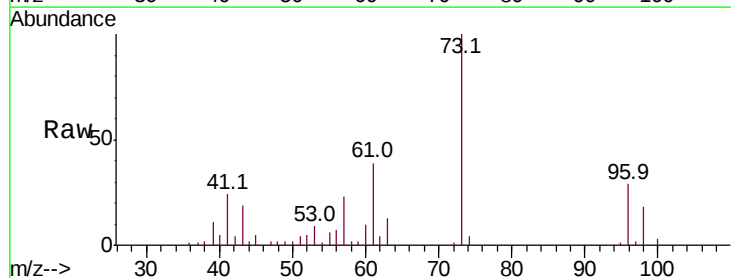
MMDadoda
 6/17/2019 9:46:02 AM

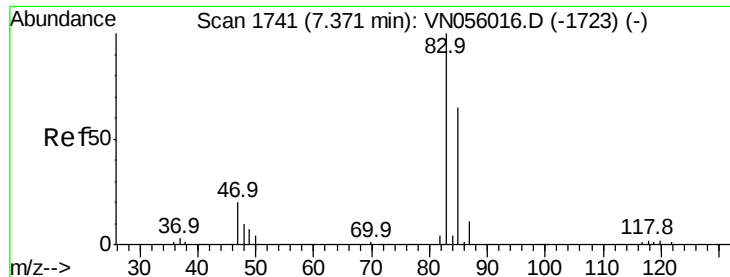


#24

Methyl tert-Butyl Ether
 Concen: 19.316 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	73	43	Ratio	100	18.6	Resp	193494	Lower	Upper
Ion	73	43	Ratio	100	18.6	Resp	193494	Lower	Upper





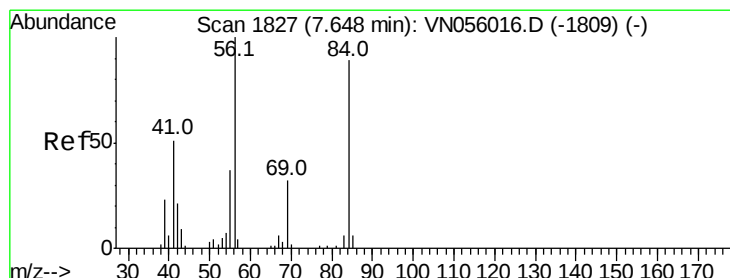
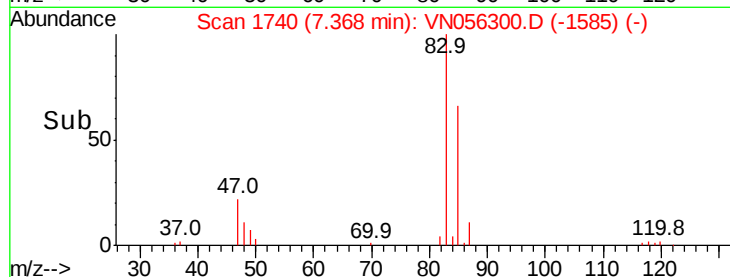
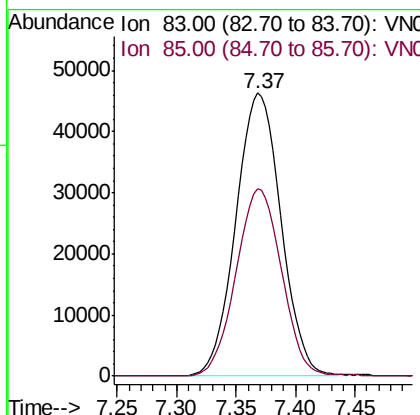
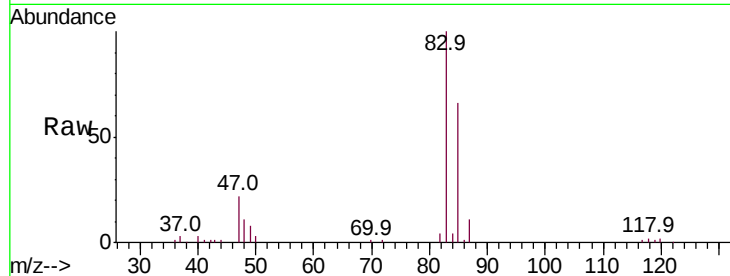
#25
Chloroform
Concen: 20.798 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 121781
Ion Ratio Lower Upper
83 100
85 66.3 52.0 78.0

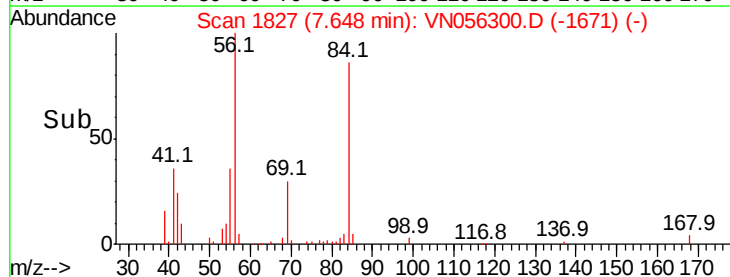
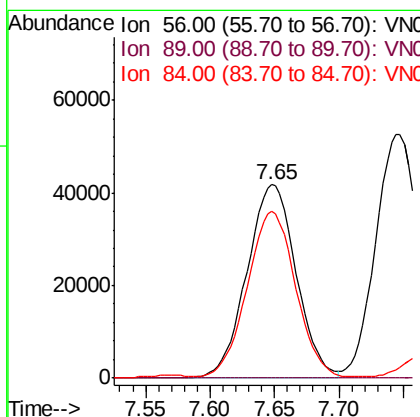
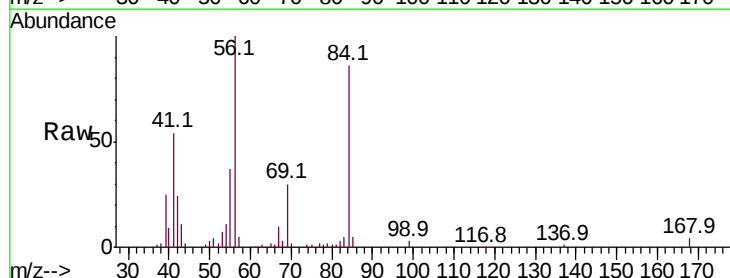
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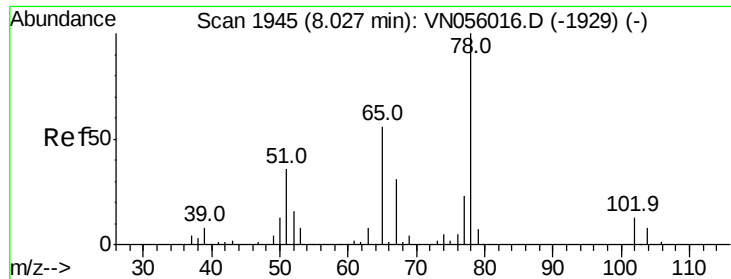
MMDadoda
6/17/2019 9:46:02 AM



#26
Cyclohexane
Concen: 20.432 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion: 56 Resp: 111157
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.2 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 33.264 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 124383

Ion Ratio Lower Upper

65 100

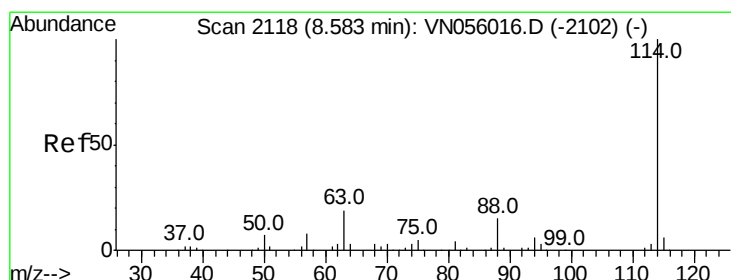
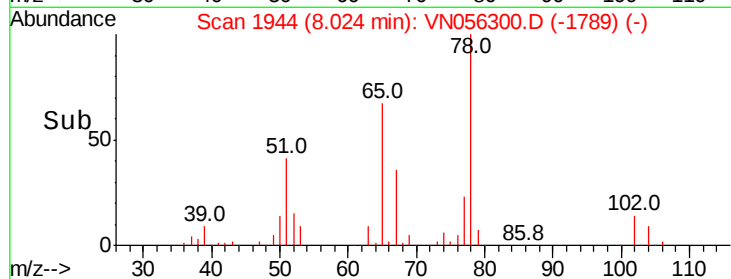
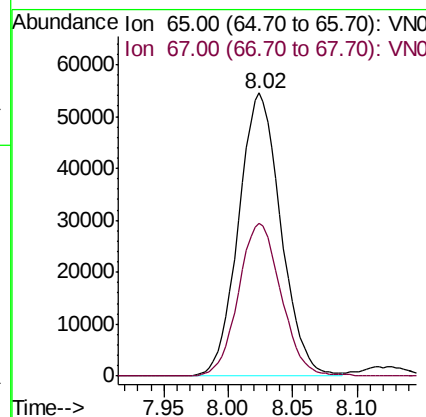
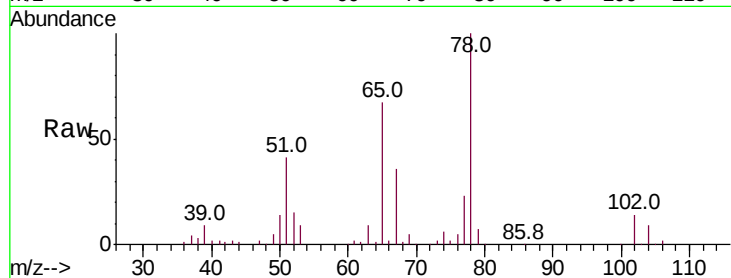
67 54.1 43.4 65.2

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

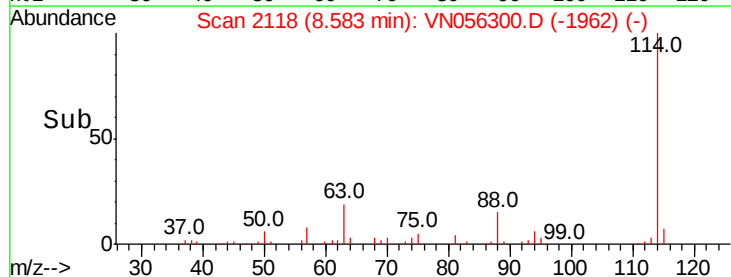
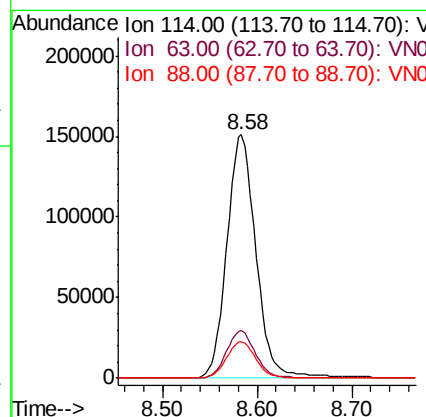
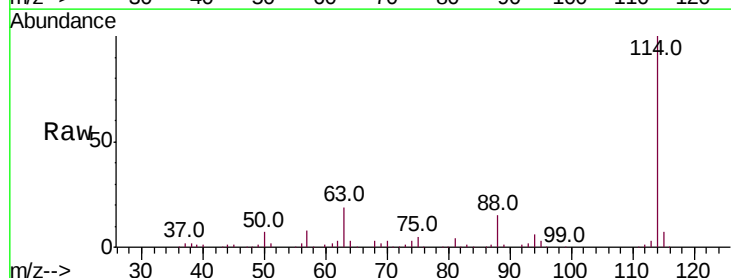
Tgt Ion: 114 Resp: 322203

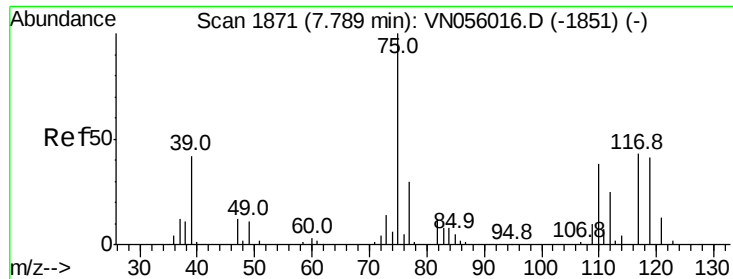
Ion Ratio Lower Upper

114 100

63 19.4 14.7 22.1

88 15.0 11.9 17.9





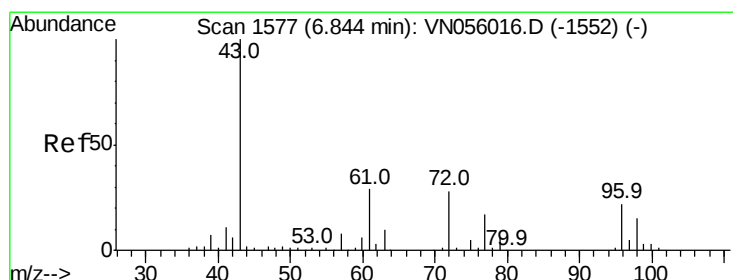
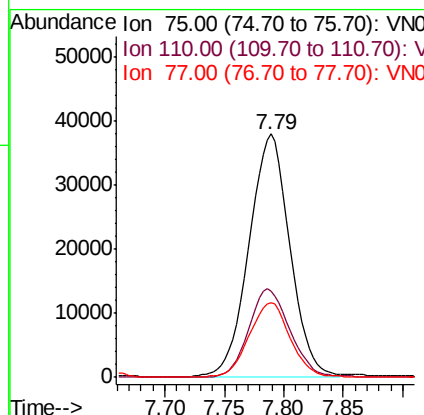
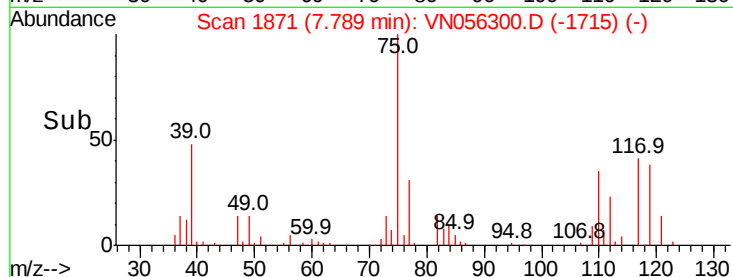
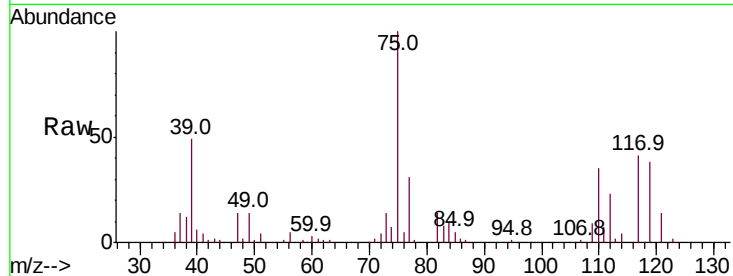
#29
 1,1-Dichloropropene
 Concen: 20.770 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.5	0.0	77.0
77	30.8	0.0	62.4

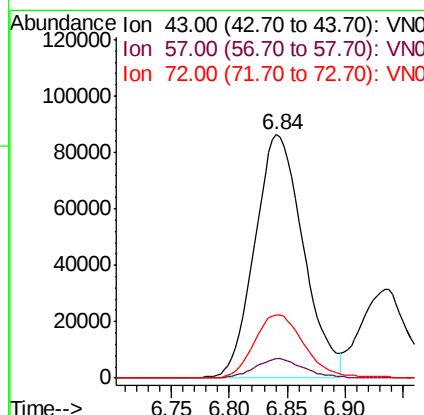
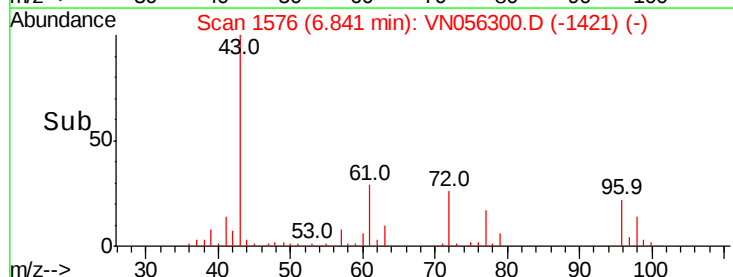
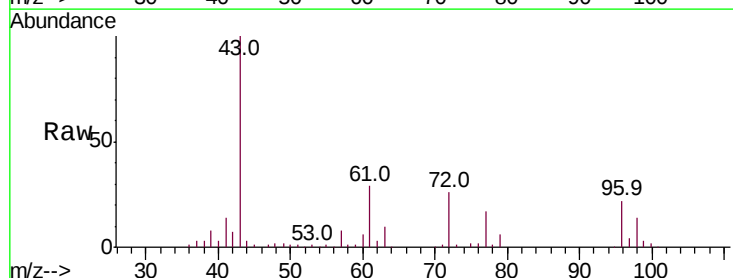
Manual Integrations
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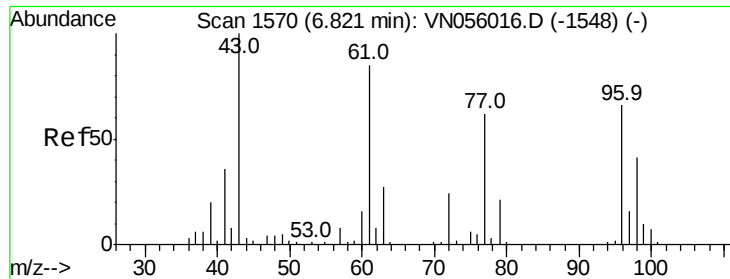
MMDadoda
 6/17/2019 9:46:02 AM



#30
 2-Butanone
 Concen: 109.329 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.7	10.1
72	26.8	22.4	33.6





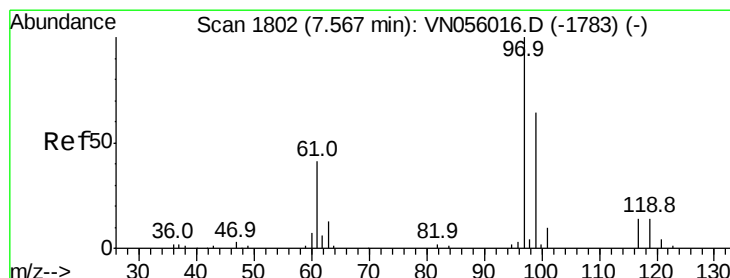
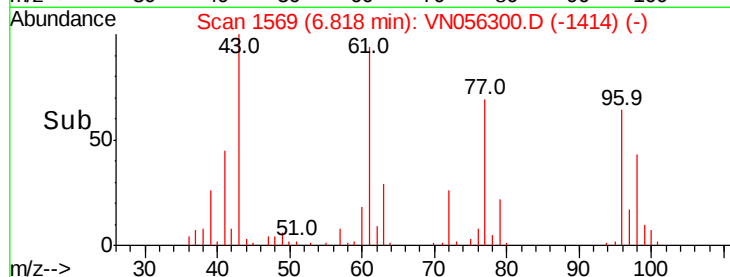
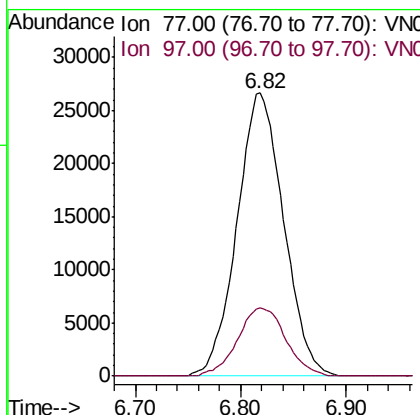
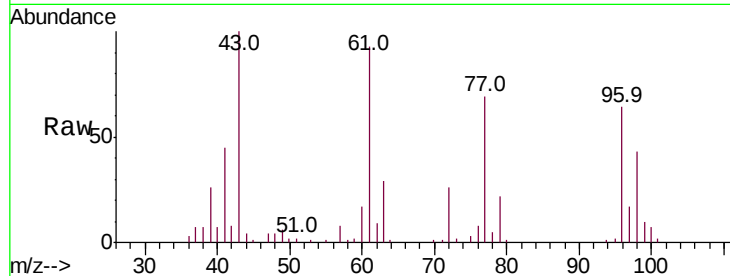
#31
 2,2-Dichloropropane
 Concen: 20.175 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 81800
 Ion Ratio Lower Upper
 77 100
 97 24.8 20.8 31.2

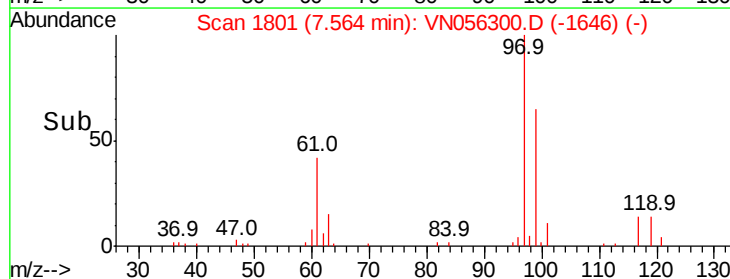
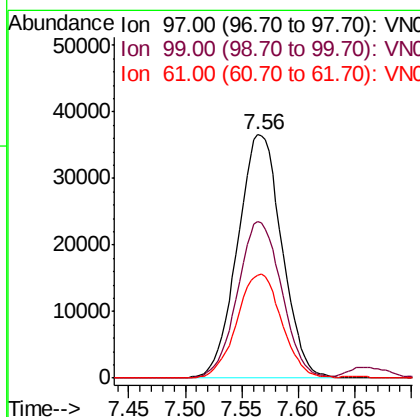
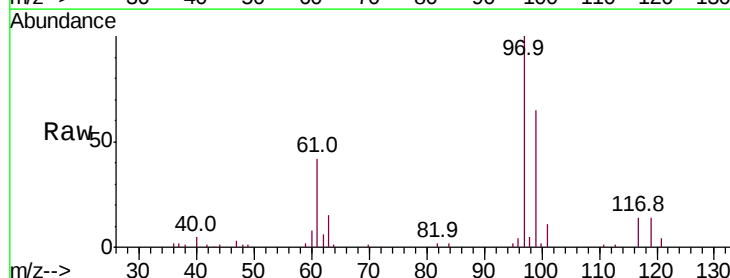
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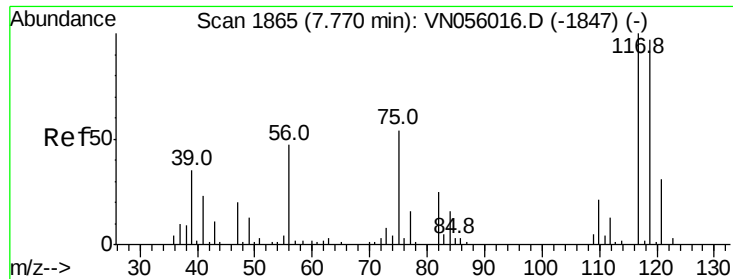
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.738 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion: 97 Resp: 99859
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.5 77.3
 61 43.0 32.9 49.3





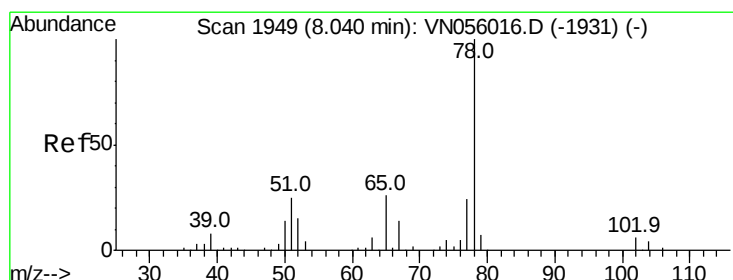
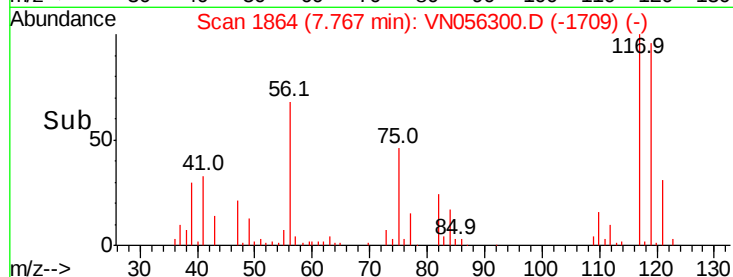
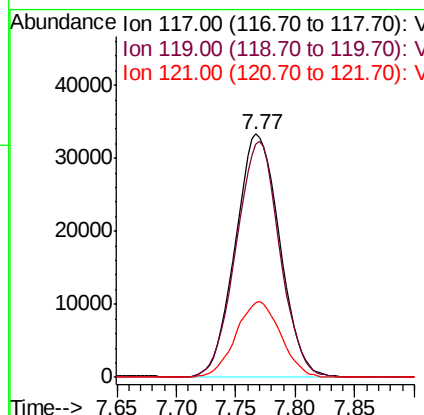
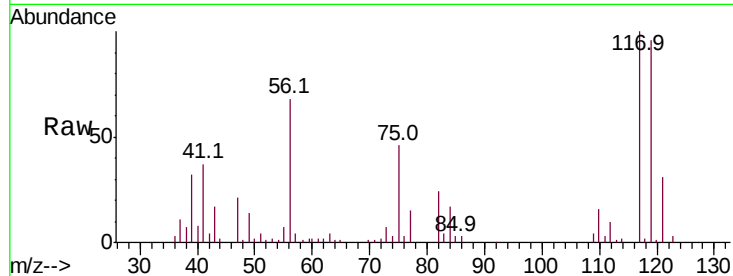
#33
Carbon Tetrachloride
Concen: 21.097 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.3	115.9
121	30.7	25.0	37.4

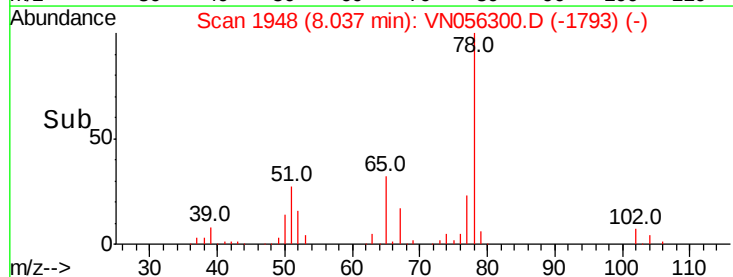
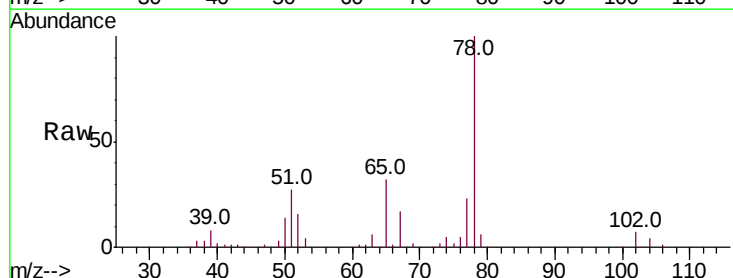
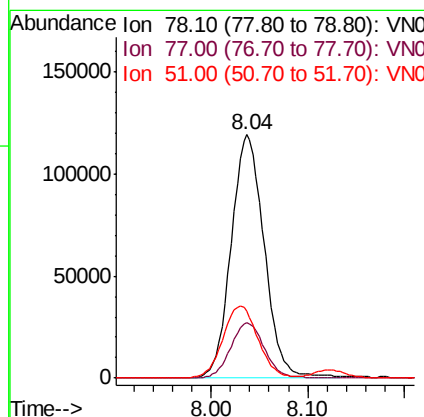
Manual Integrations
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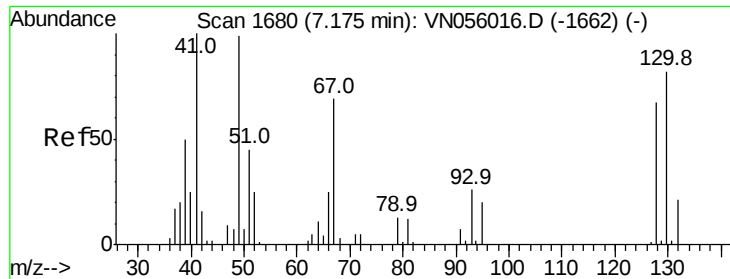
MMDadoda
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#34
Benzene
Concen: 20.420 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9
51	27.1	19.8	29.8





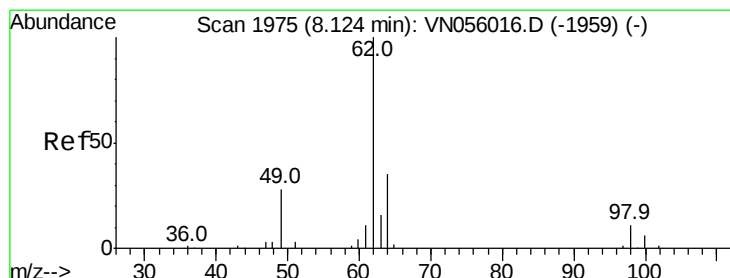
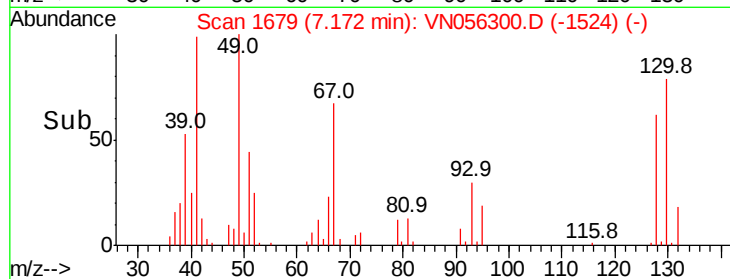
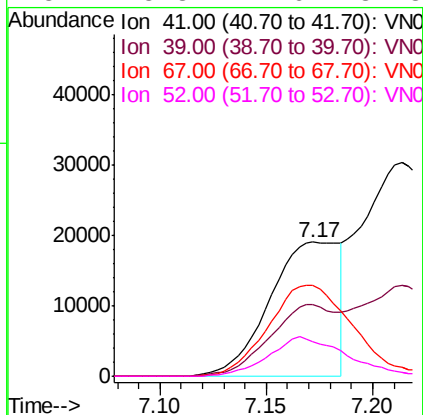
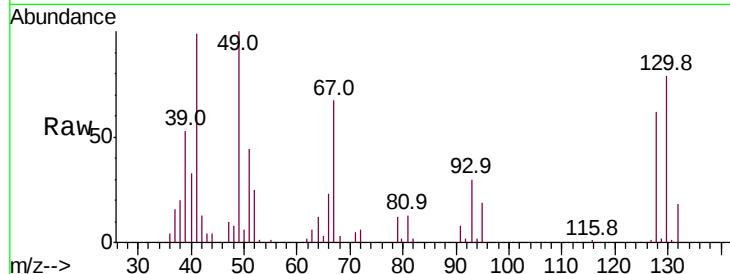
#35
Methacrylonitrile
Concen: 22.396 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.4	24.8	74.3
67	67.7	34.3	102.9
52	25.3	12.6	37.8

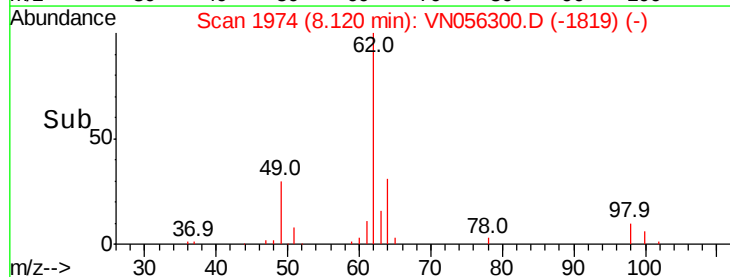
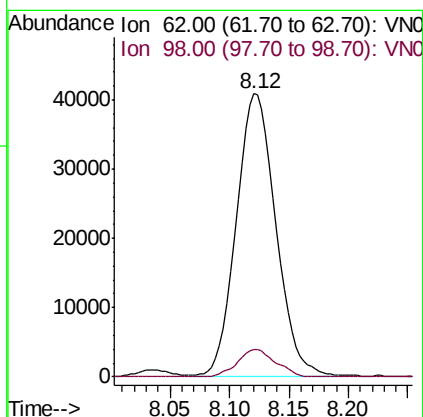
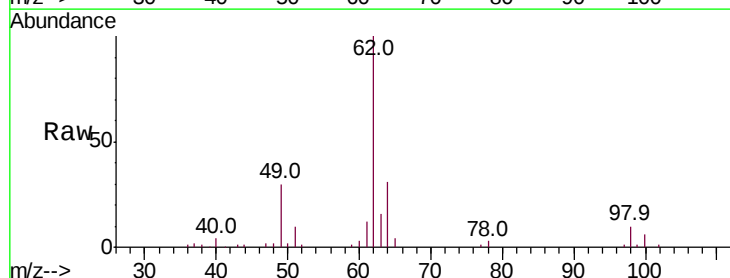
Manual Integrations
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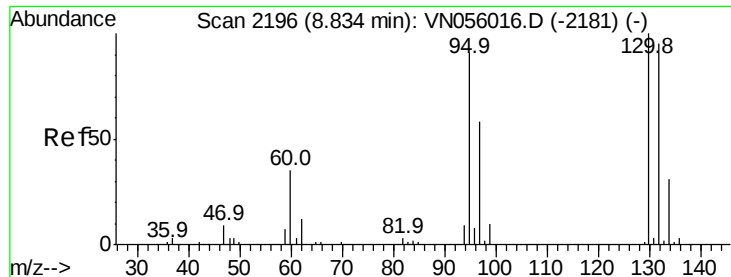
MMDadoda
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#36
1,2-Dichloroethane
Concen: 21.738 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	8.6	13.0





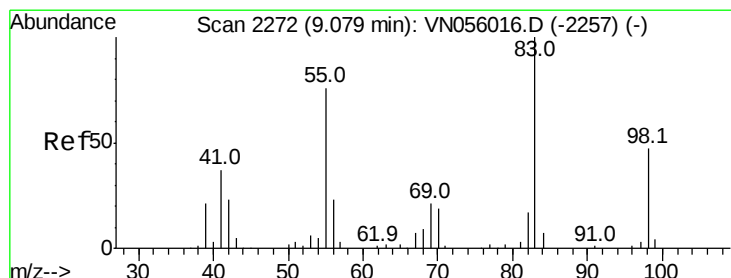
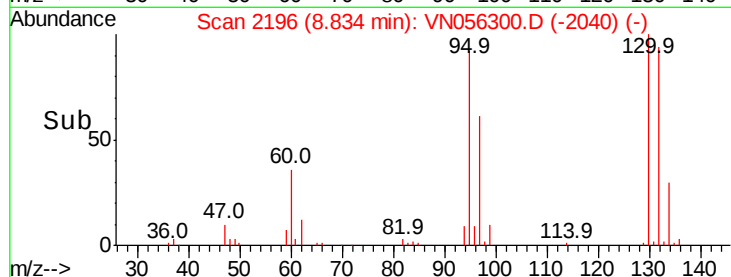
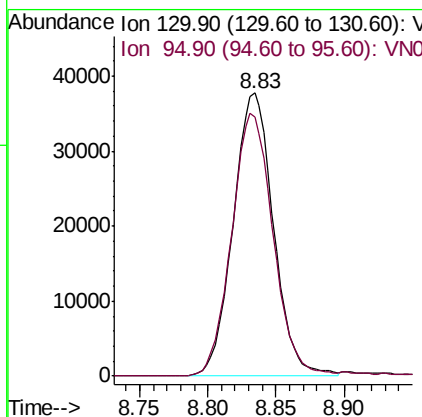
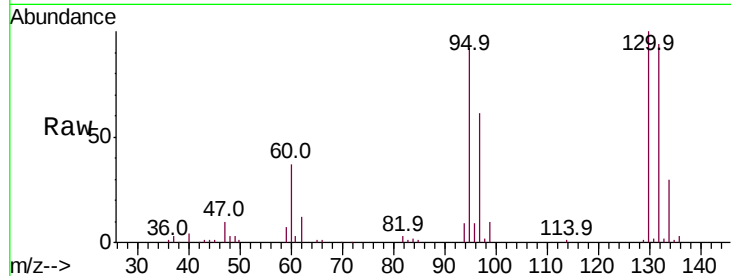
#37
 Trichloroethene
 Concen: 19.967 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 77589
 Ion Ratio Lower Upper
 130 100
 95 91.7 73.0 109.6

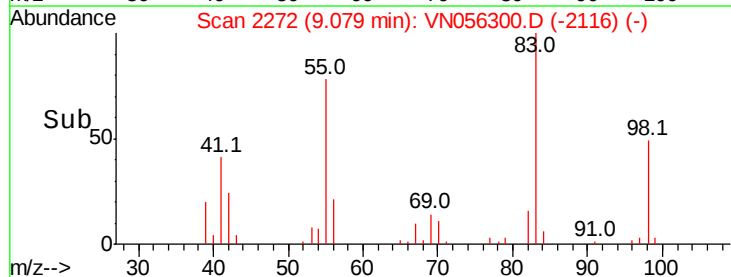
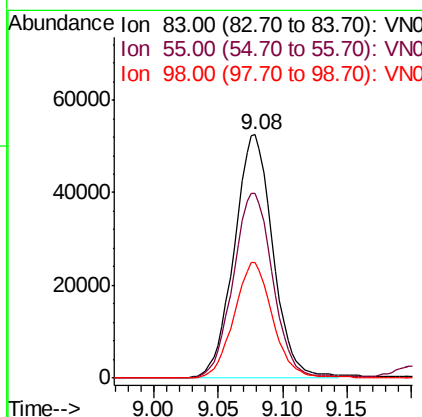
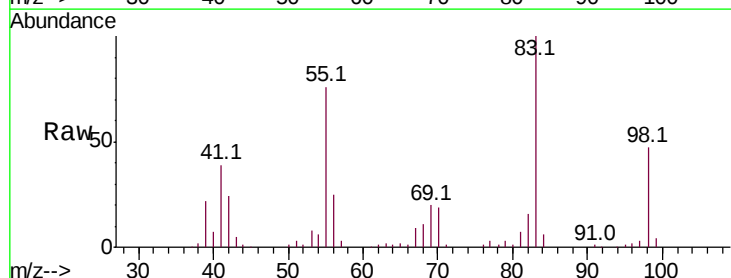
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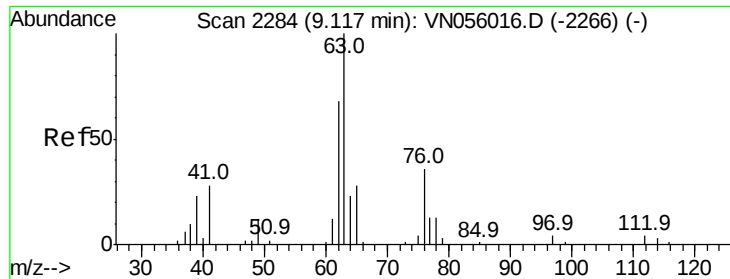
MMDadoda
 6/17/2019 9:46:02 AM



#38
 Methylcyclohexane
 Concen: 19.837 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion: 83 Resp: 109608
 Ion Ratio Lower Upper
 83 100
 55 77.4 37.5 112.7
 98 47.2 23.1 69.3





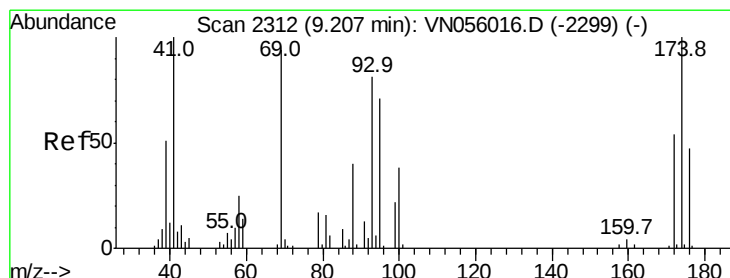
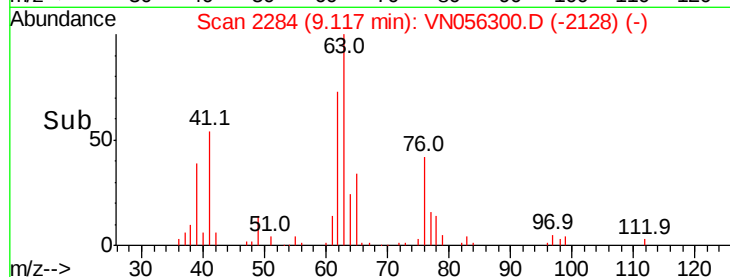
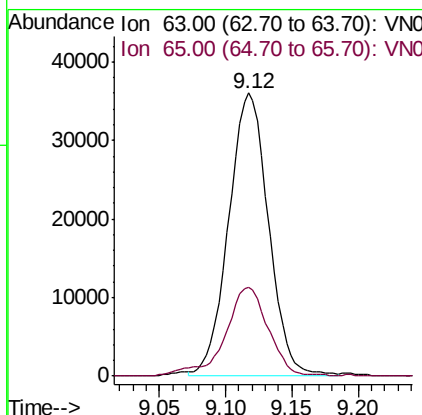
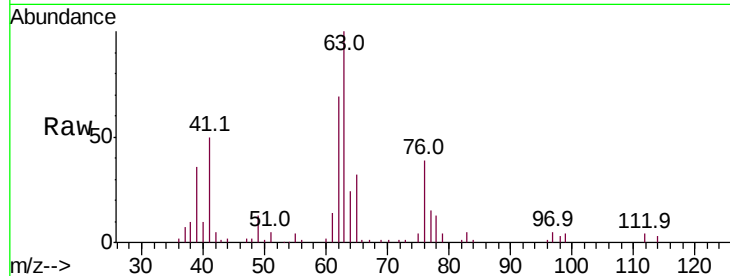
#39
 1,2-Dichloropropane
 Concen: 21.236 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.1	34.7

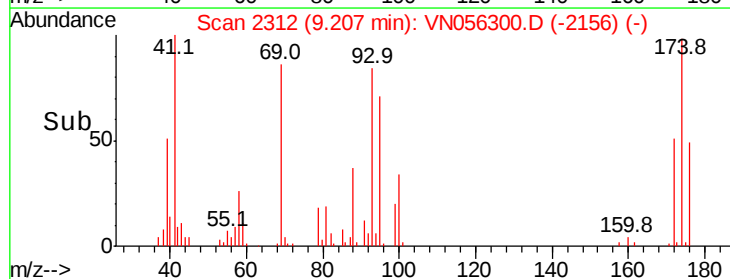
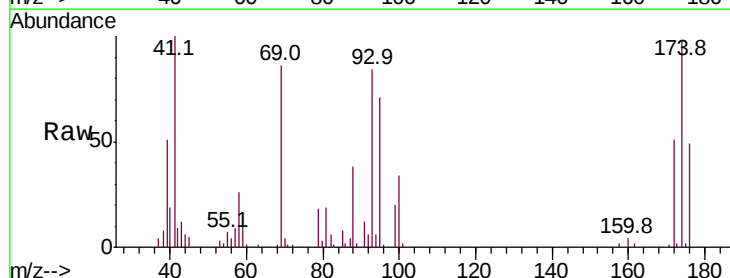
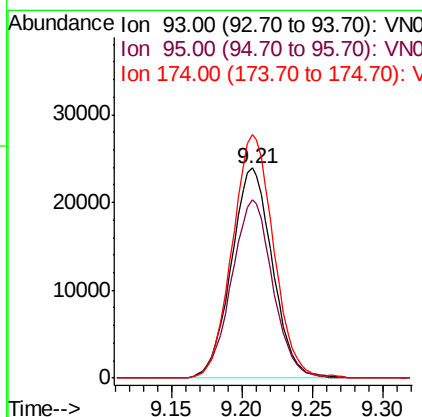
Manual Integrations
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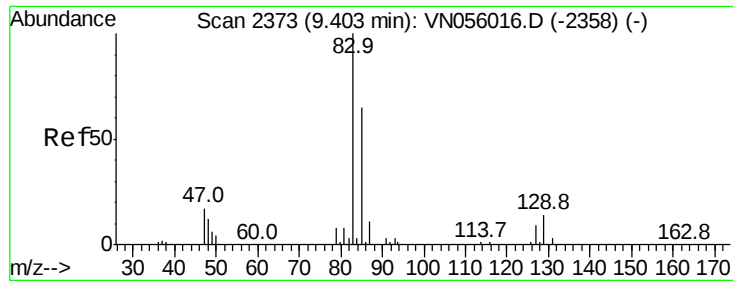
MMDadoda
 6/17/2019 9:46:02 AM



#40
 Dibromomethane
 Concen: 20.721 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	0.0	169.0
174	115.7	0.0	246.4





#41

Bromodichloromethane

Concen: 21.581 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

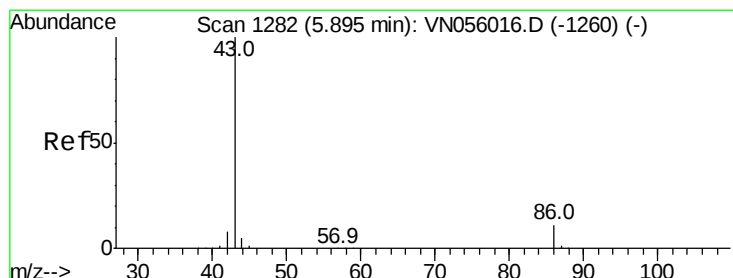
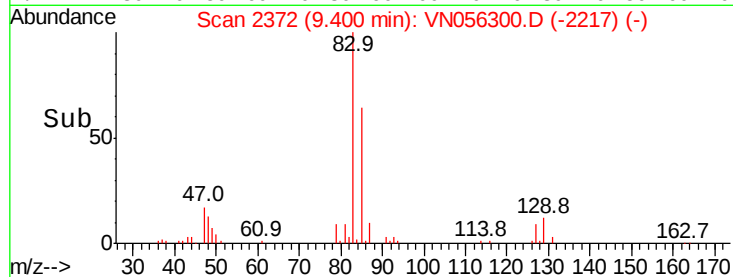
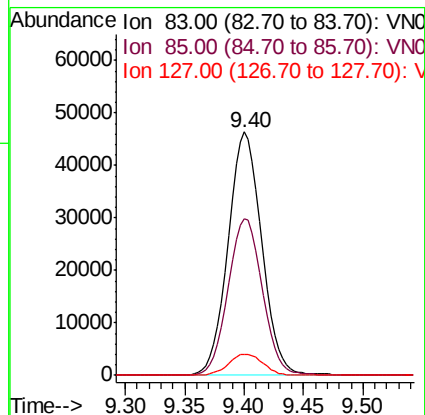
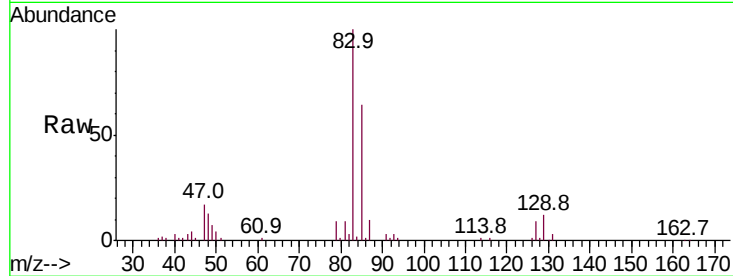
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	91130
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.8	77.6
127	8.6	7.3	10.9

Manual Integrations
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6/17/2019 9:46:02 AM



#42

Vinyl Acetate

Concen: 100.445 ug/l

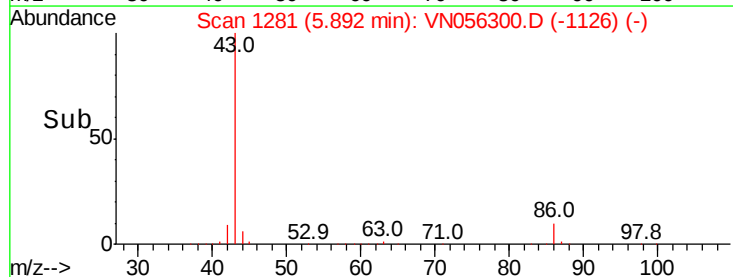
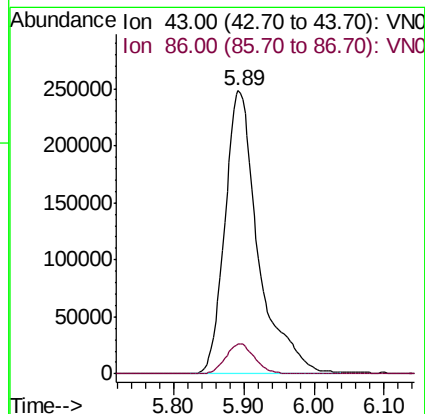
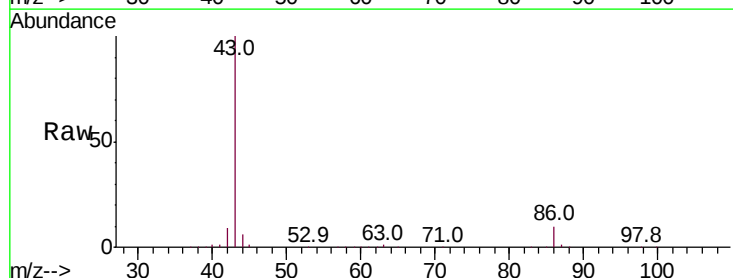
RT: 5.89 min Scan# 1281

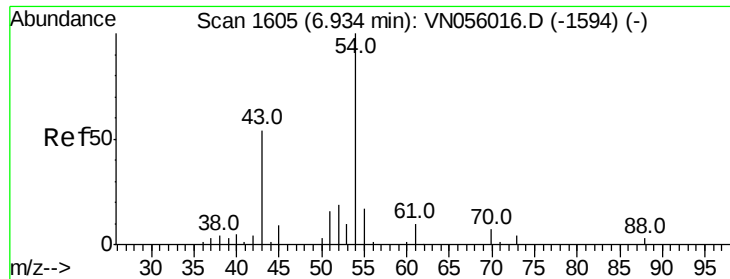
Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	43	Resp:	821643
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.9	11.9





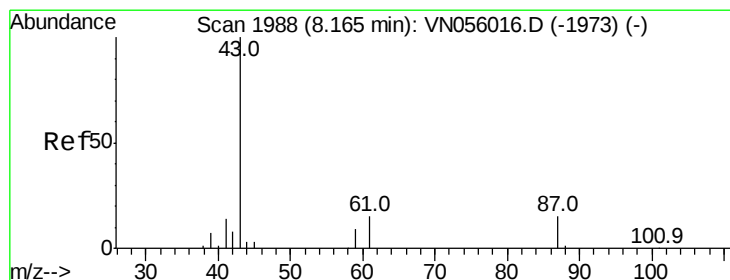
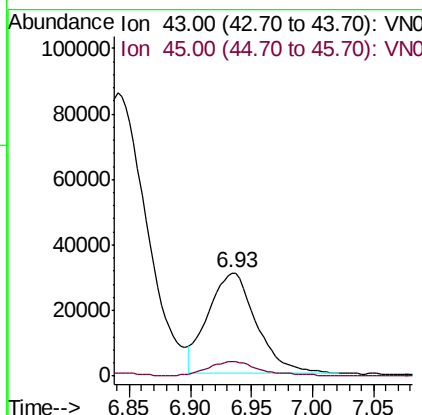
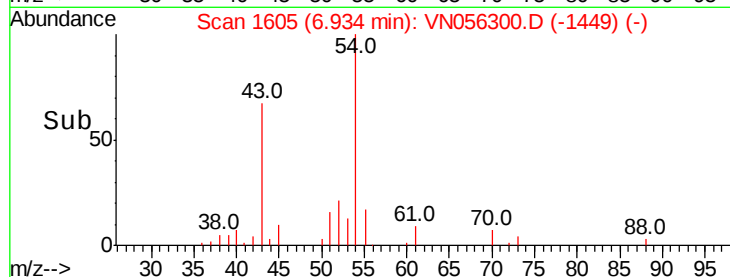
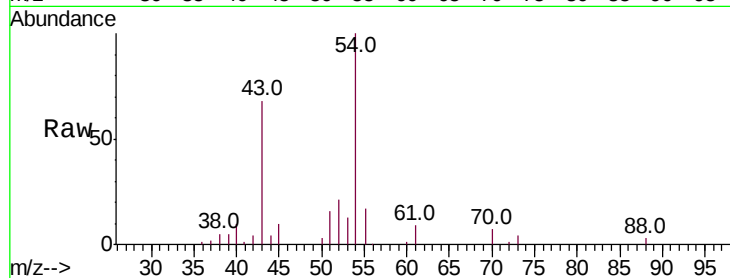
#43
Ethyl Acetate
Concen: 19.276 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	43	45	Ratio	100	12.8	Resp	84643	Lower	12.3	Upper	18.5
Ion	43	45	Ratio	100	12.8	Resp	84643	Lower	12.3	Upper	18.5

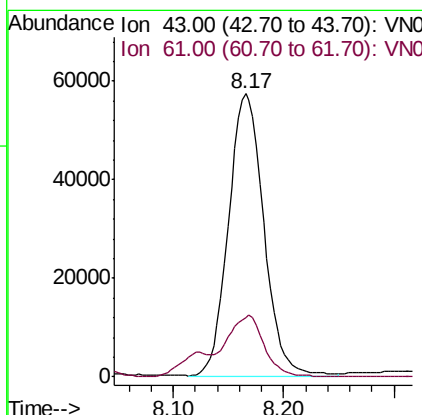
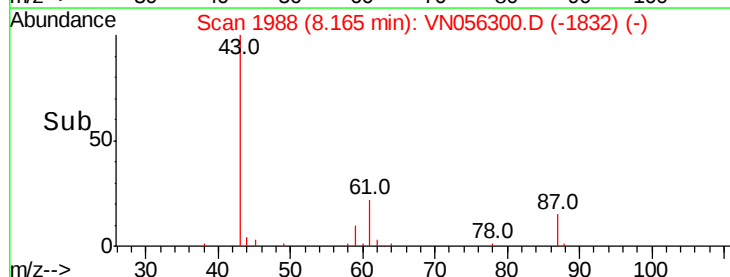
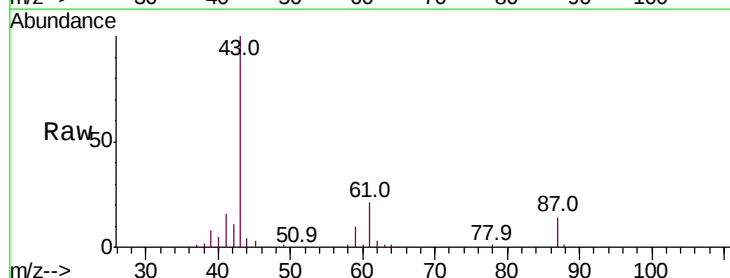
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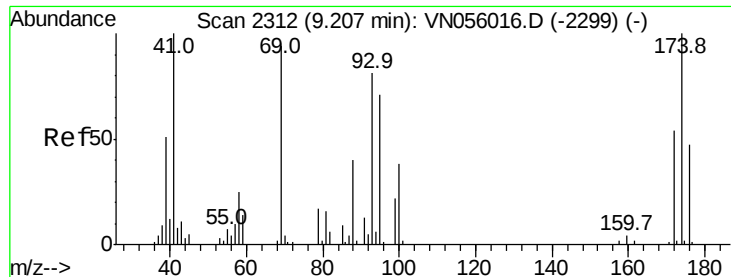
MMDadoda
6/17/2019 9:46:02 AM



#44
Isopropyl Acetate
Concen: 18.651 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	43	61	Ratio	100	21.8	Resp	127166	Lower	16.9	Upper	25.3
Ion	43	61	Ratio	100	21.8	Resp	127166	Lower	16.9	Upper	25.3





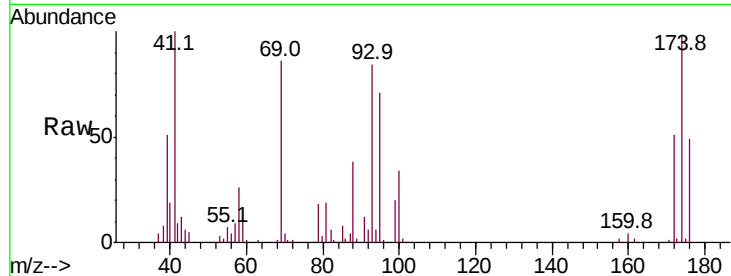
#45
1,4-Dioxane
Concen: 359.593 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	19.8	29.6
58	66.1	48.5	72.7

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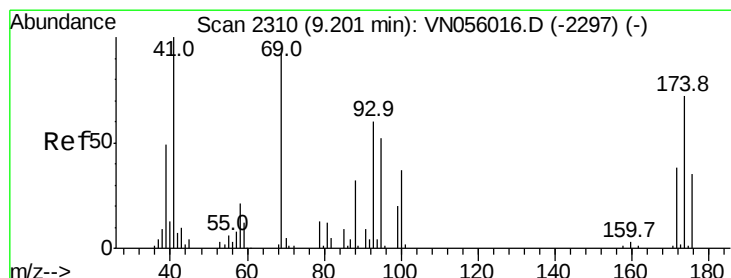
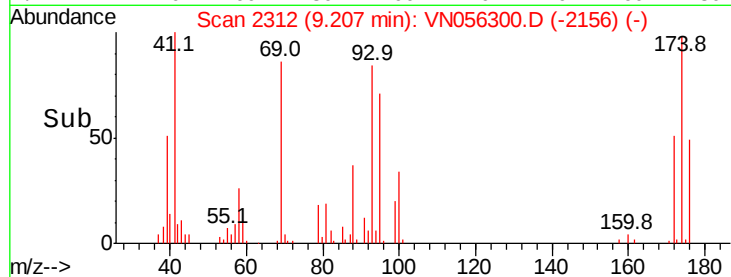
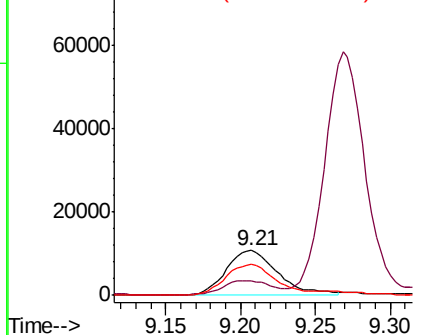


Abundance

Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46
Methyl methacrylate
Concen: 19.801 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

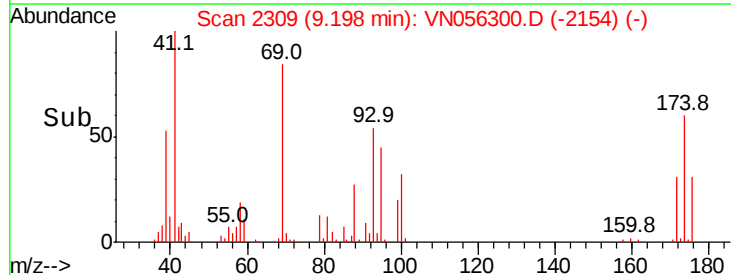
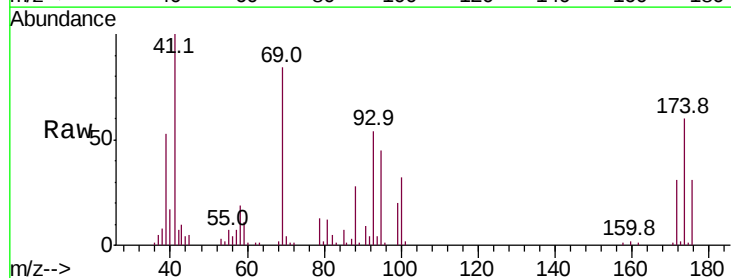
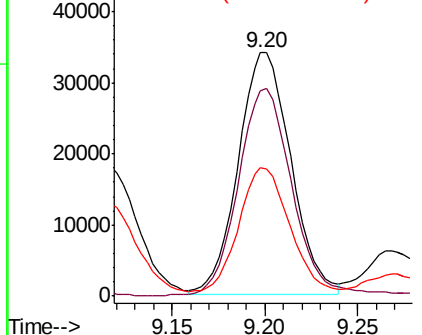
Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.6	46.0	137.8
39	51.8	24.6	73.8

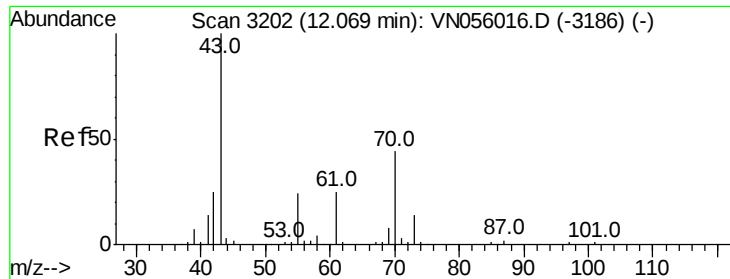
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 17.880 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 100817

Ion Ratio Lower Upper

43 100

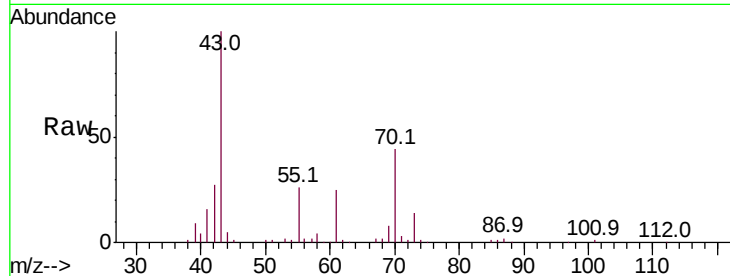
55 26.6 19.0 28.6

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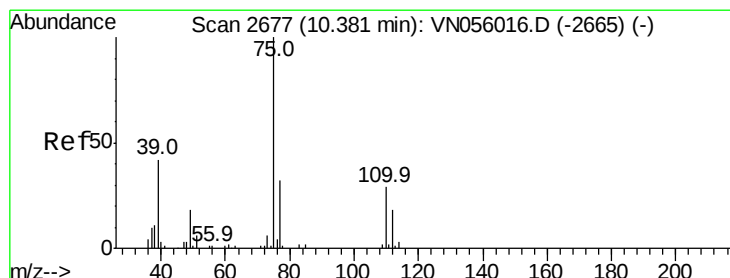
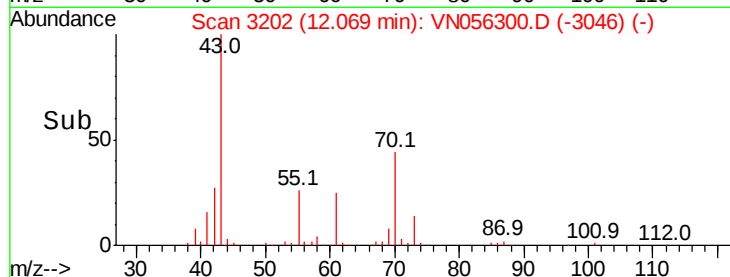
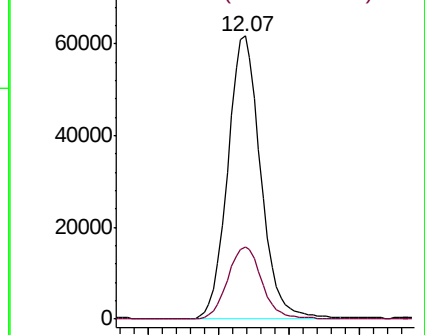
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.077 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056300.D

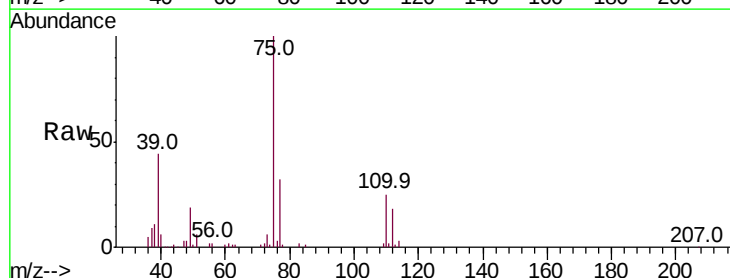
Acq: 14 Jun 2019 9:19

Tgt Ion: 75 Resp: 84777

Ion Ratio Lower Upper

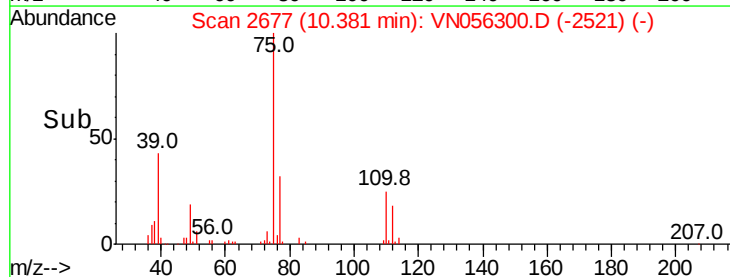
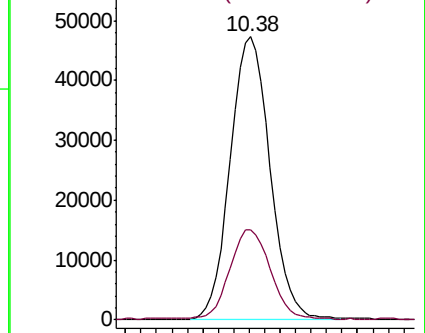
75 100

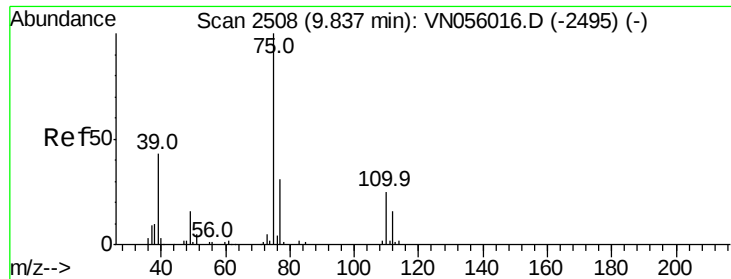
77 31.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





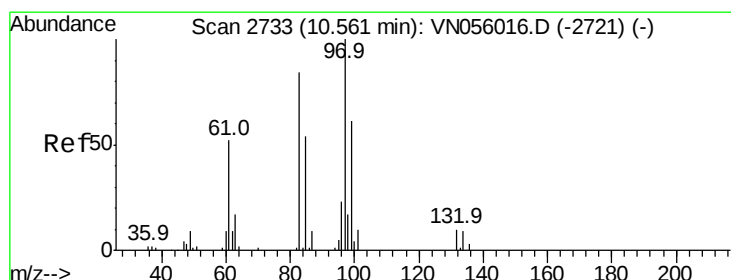
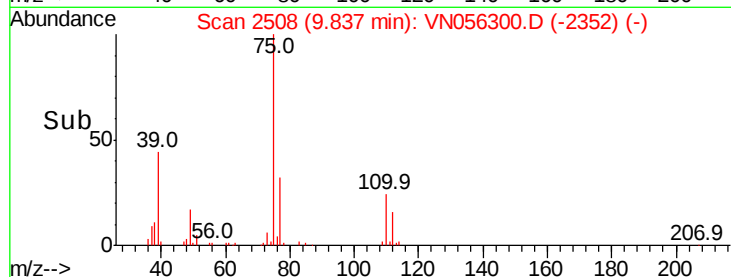
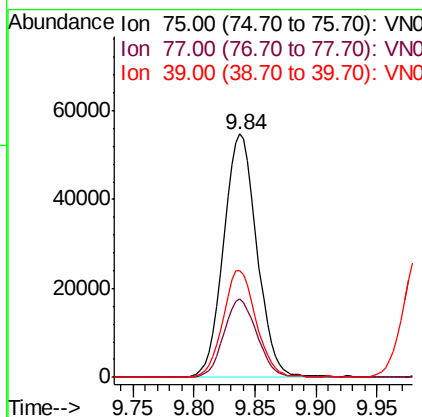
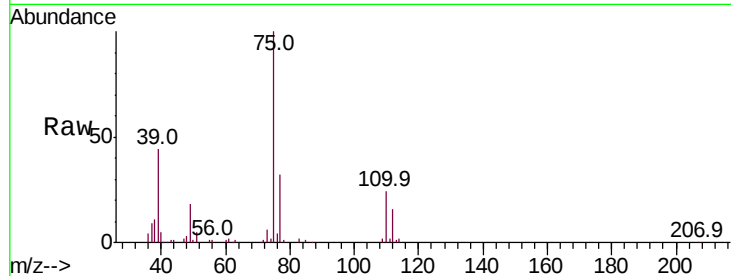
#49
 cis-1,3-Dichloropropene
 Concen: 20.133 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	43.7	34.3	51.5

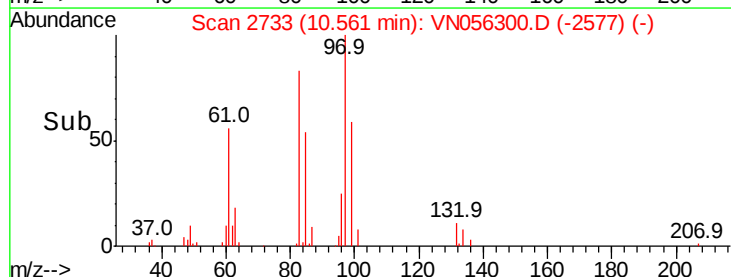
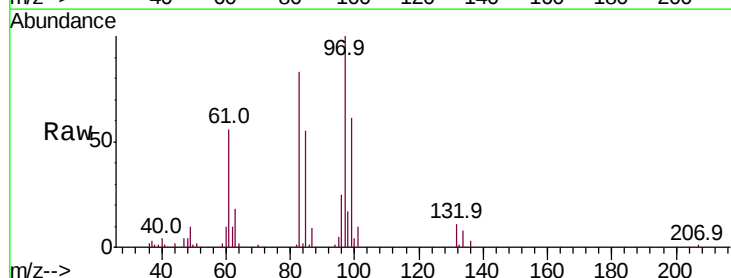
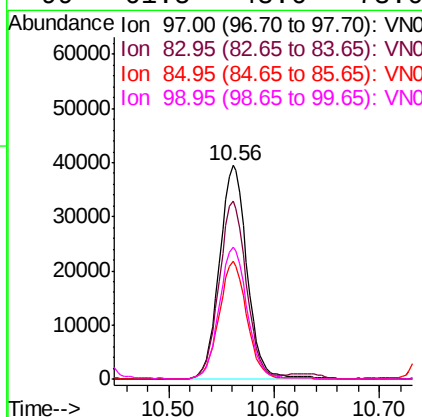
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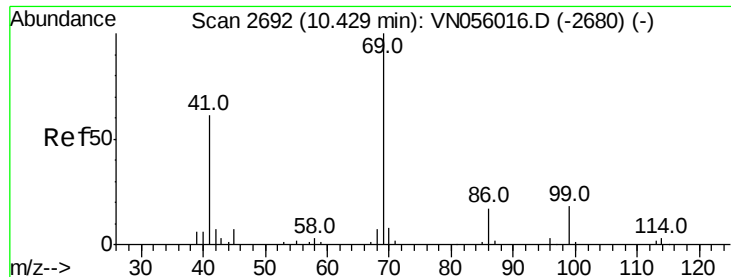
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#50
 1,1,2-Trichloroethane
 Concen: 20.513 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.9	100.3
85	54.9	43.3	64.9
99	61.5	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.332 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

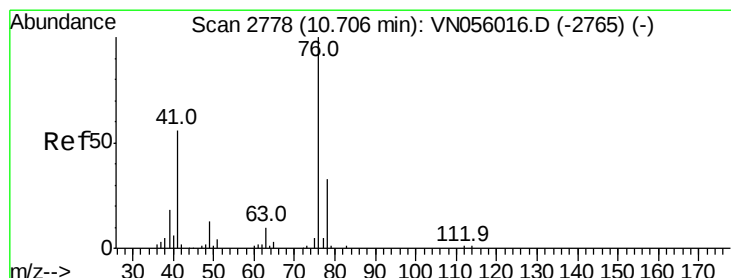
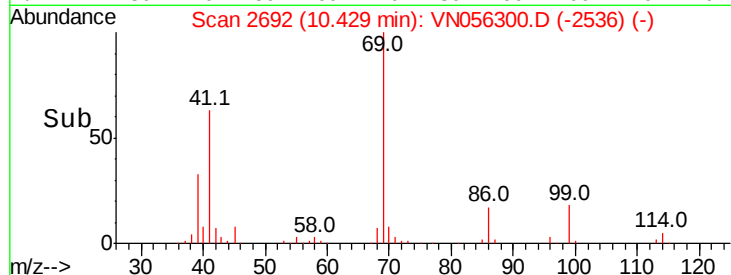
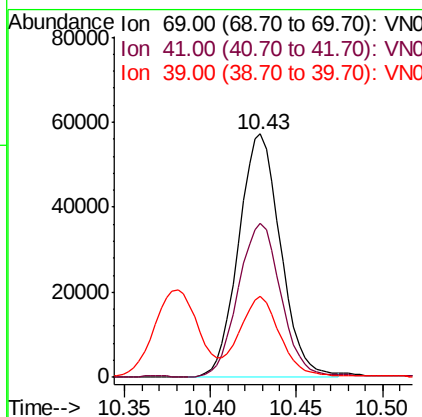
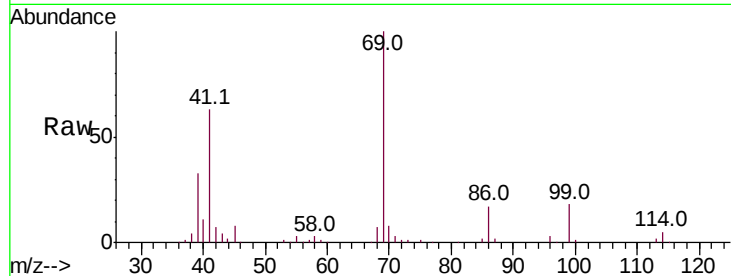
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	97143
Ion Ratio	Lower	Upper	
69	100		
41	63.1	30.8	92.3
39	32.4	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 20.702 ug/l

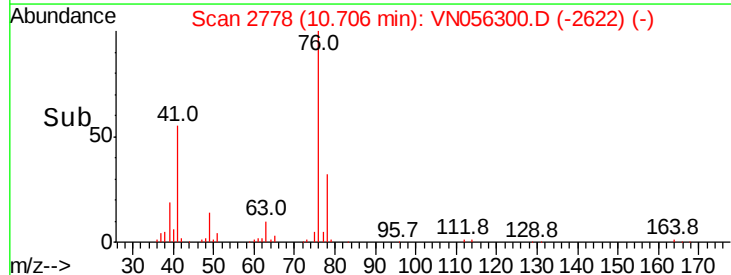
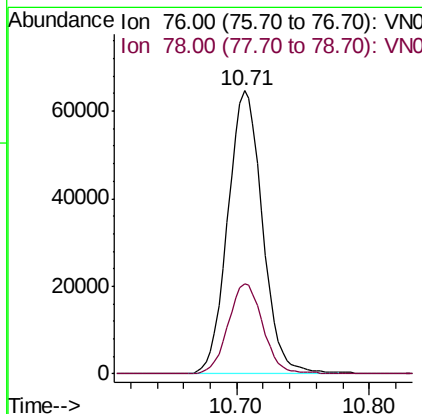
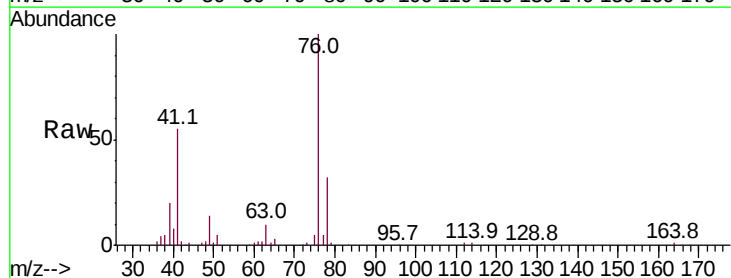
RT: 10.71 min Scan# 2778

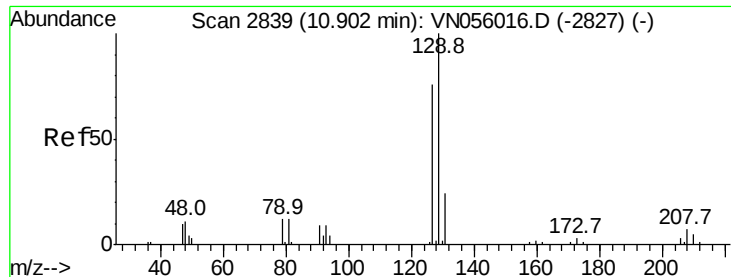
Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	76	Resp:	117552
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.4





#53

Dibromochloromethane

Concen: 20.512 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 70330

Ion Ratio Lower Upper

129 100

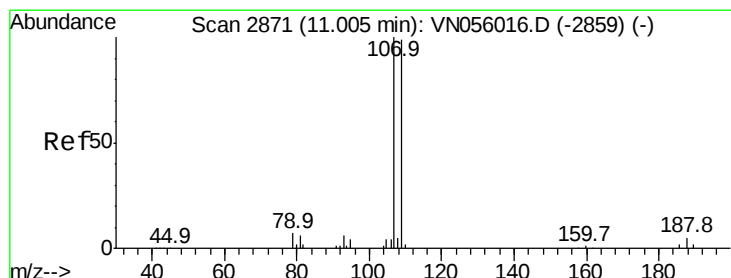
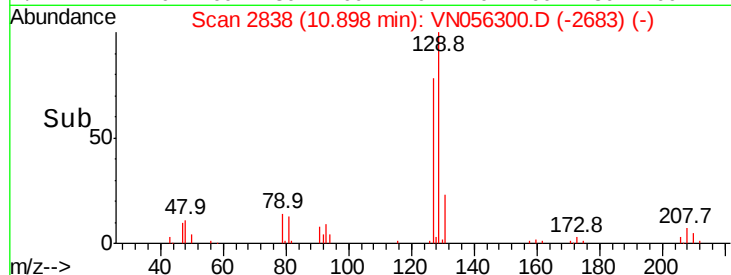
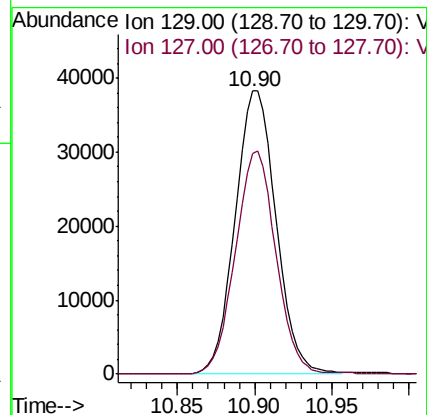
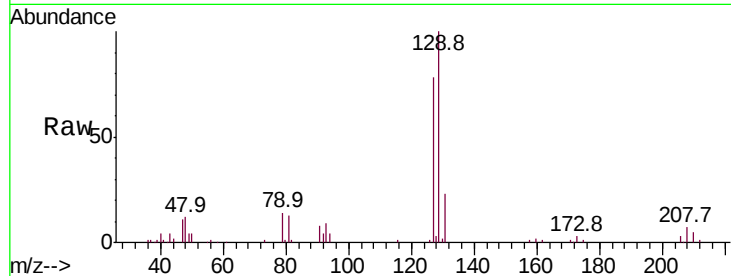
127 77.8 39.1 117.5

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#54

1,2-Dibromoethane

Concen: 20.008 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056300.D

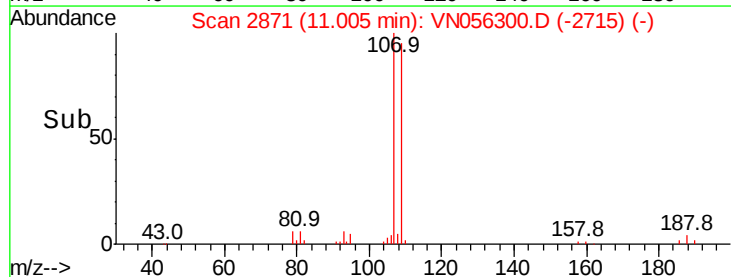
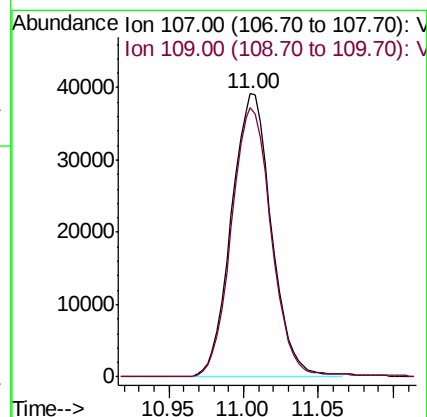
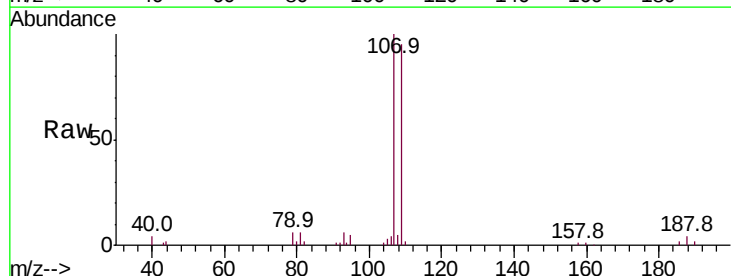
Acq: 14 Jun 2019 9:19

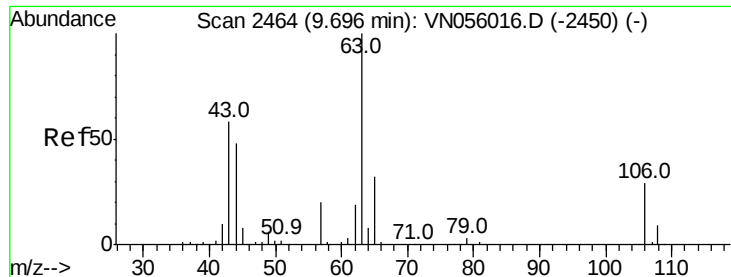
Tgt Ion:107 Resp: 73129

Ion Ratio Lower Upper

107 100

109 94.7 76.8 115.2





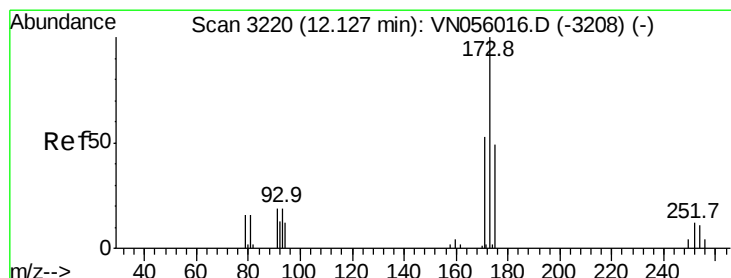
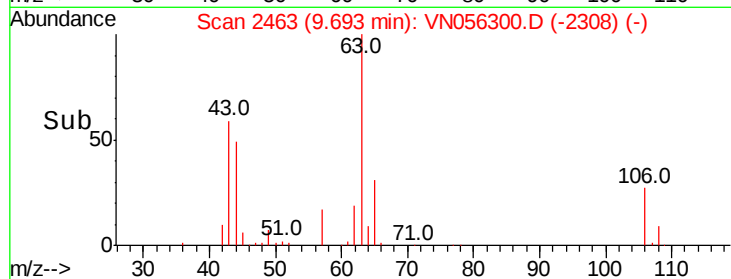
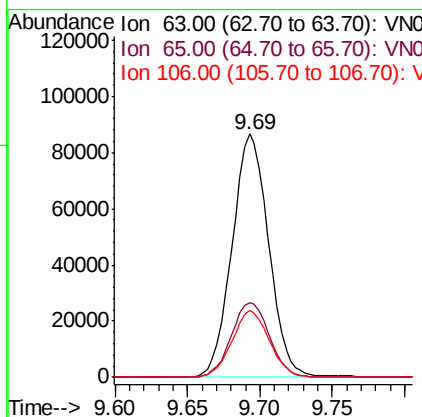
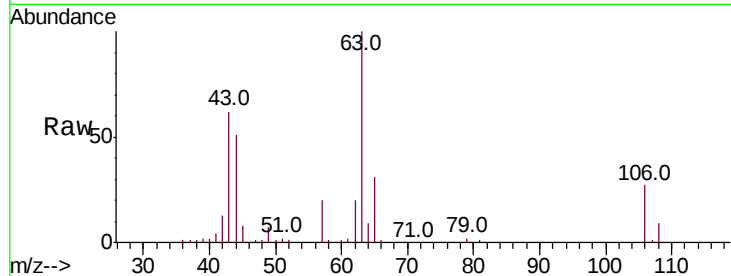
#55
 2-Chloroethyl vinyl ether
 Concen: 81.918 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	28.0	23.0	34.4

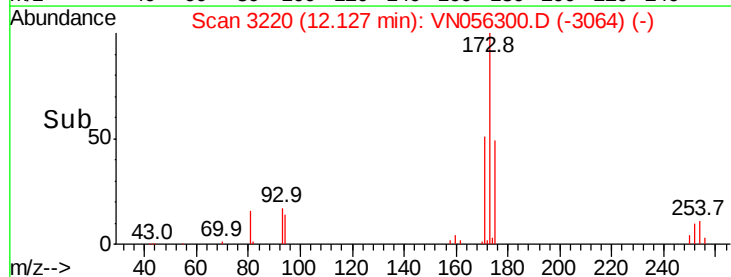
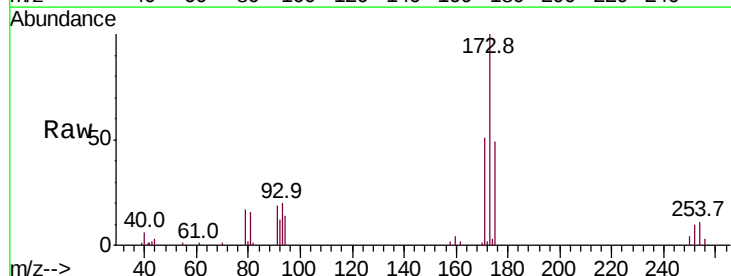
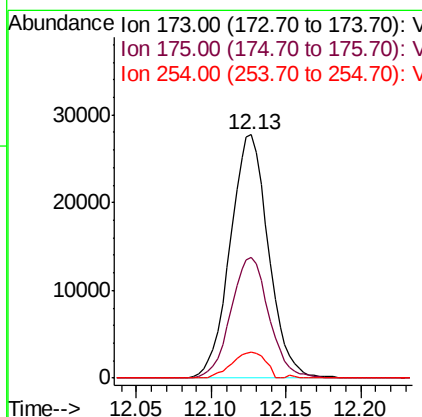
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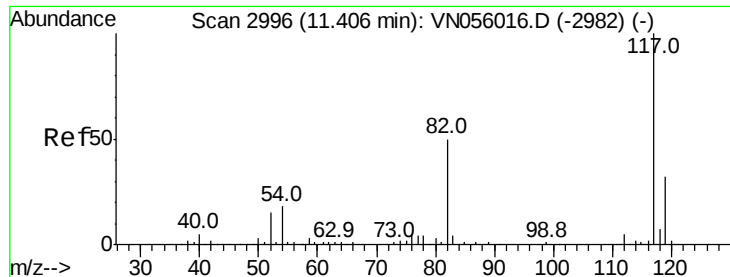
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#56
 Bromoform
 Concen: 19.943 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.7	58.1
254	9.4	6.6	9.8





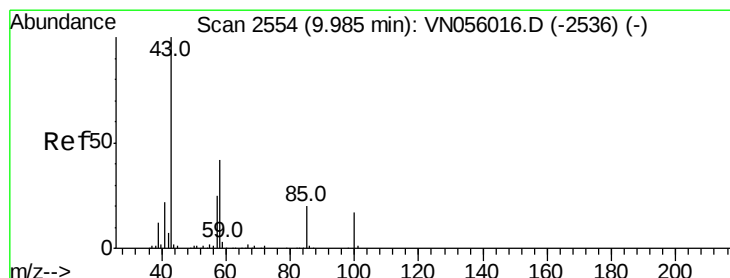
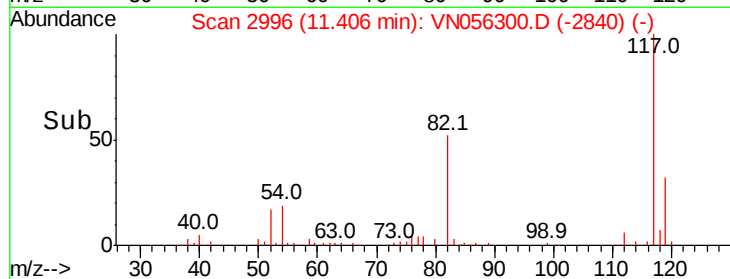
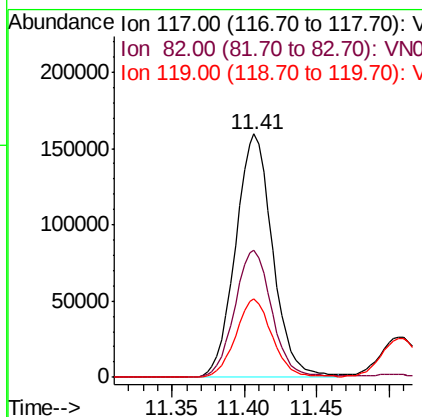
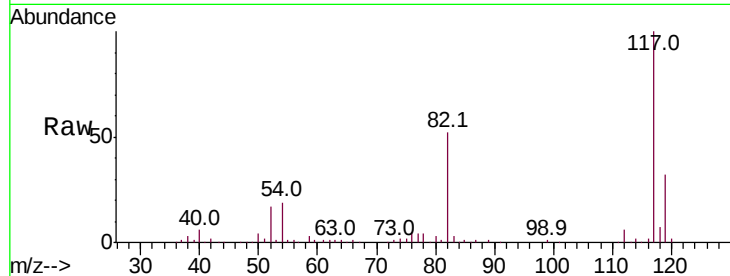
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.2	61.8
119	31.7	26.2	39.2

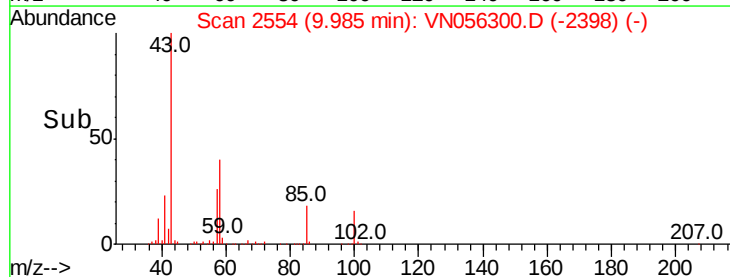
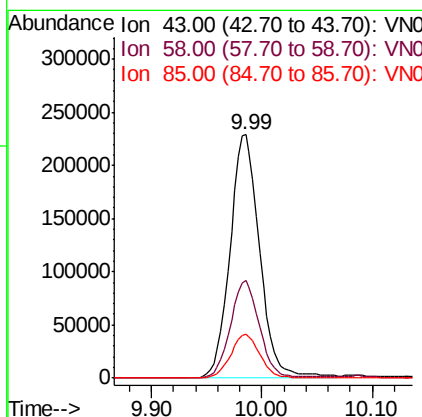
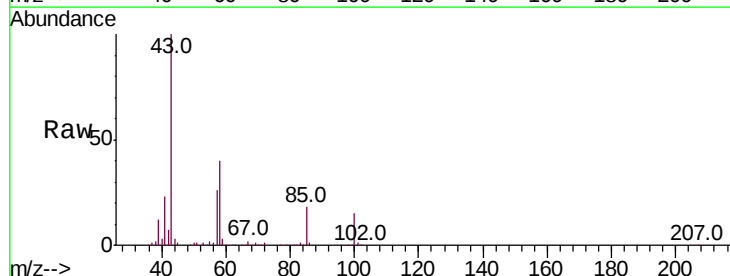
Manual Integrations
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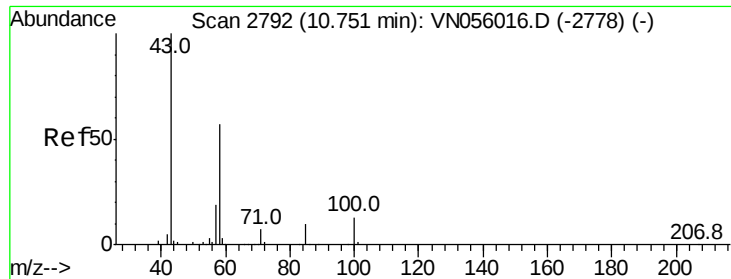
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 99.093 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	33.1	49.7
85	17.7	15.5	23.3





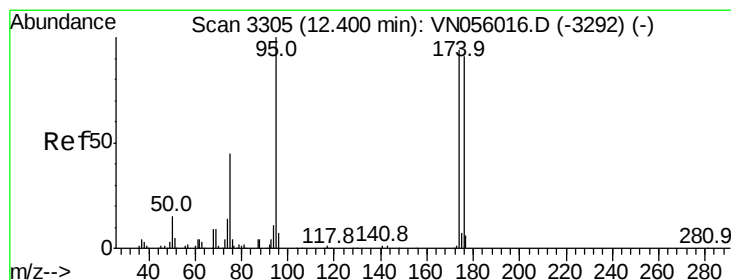
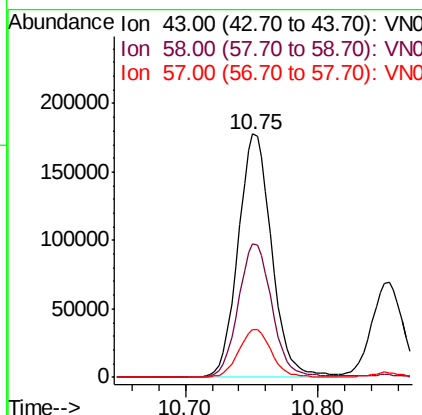
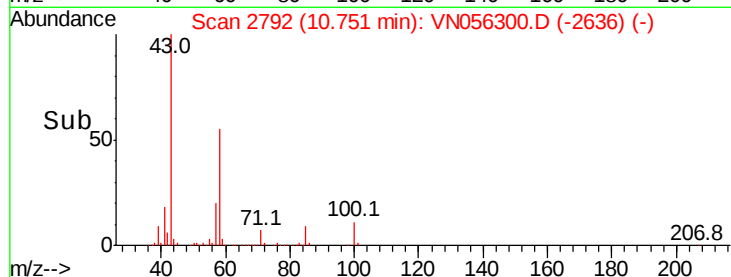
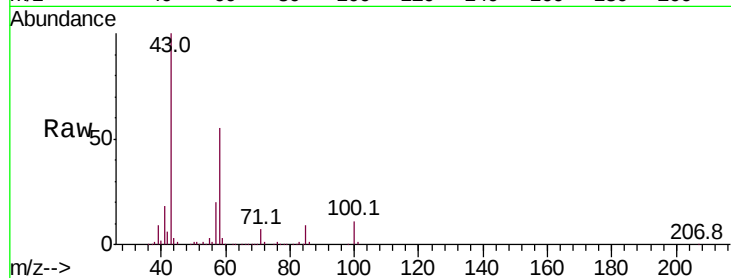
#59
2-Hexanone
Concen: 101.492 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	45.3	67.9
57	19.1	15.6	23.4

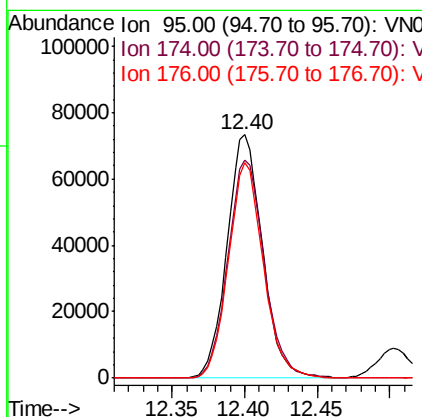
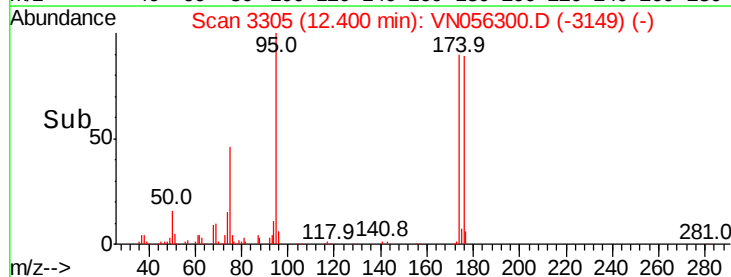
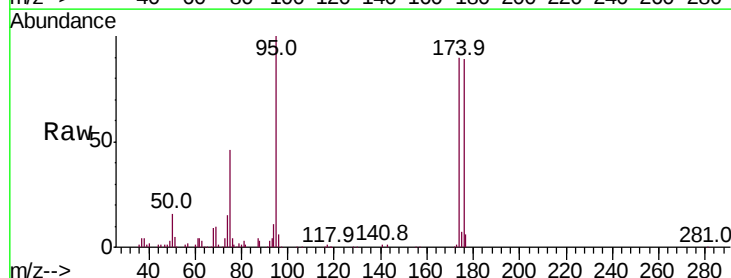
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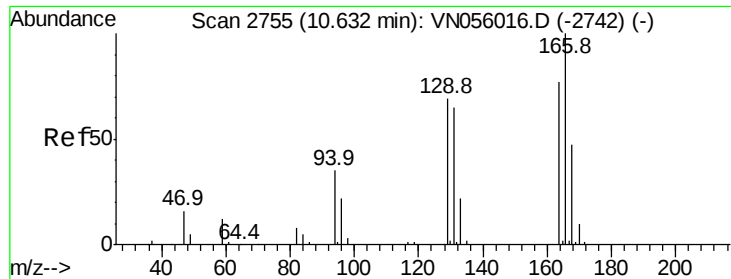
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#60
4-Bromofluorobenzene
Concen: 29.569 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	75.4	113.0
176	87.2	73.9	110.9





#61

Tetrachloroethene

Concen: 19.380 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

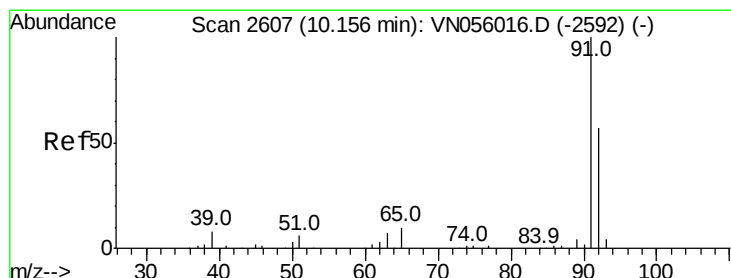
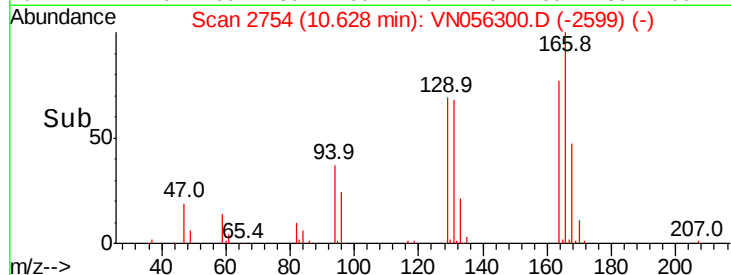
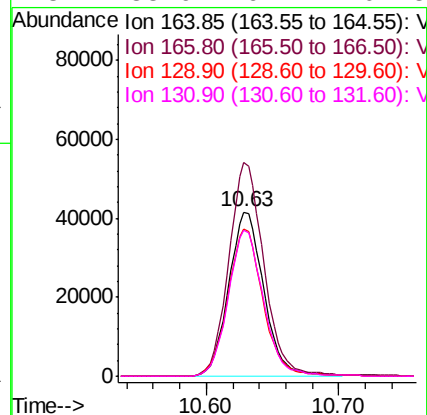
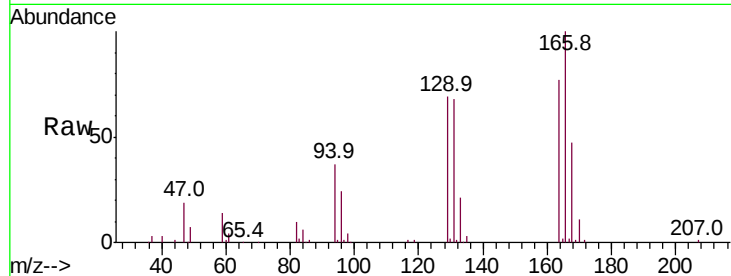
ClientSampled :

VSTDCCC020

Tot Ion:	164	Resp:	76558
Ion	Ratio	Lower	Upper
164	100		
166	129.6	104.3	156.5
129	89.6	71.5	107.3
131	88.9	67.7	101.5

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#62

Toluene

Concen: 19.982 ug/l

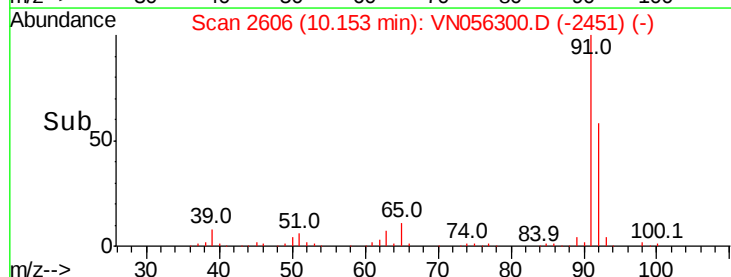
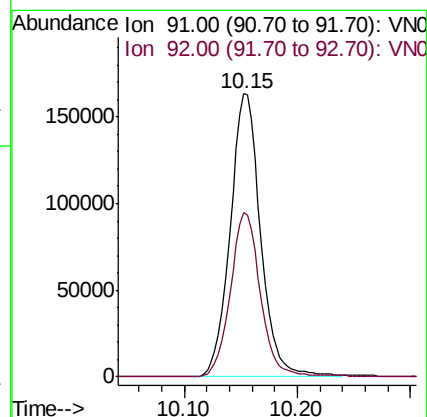
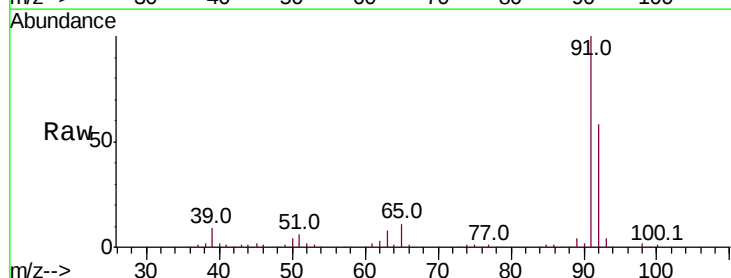
RT: 10.15 min Scan# 2606

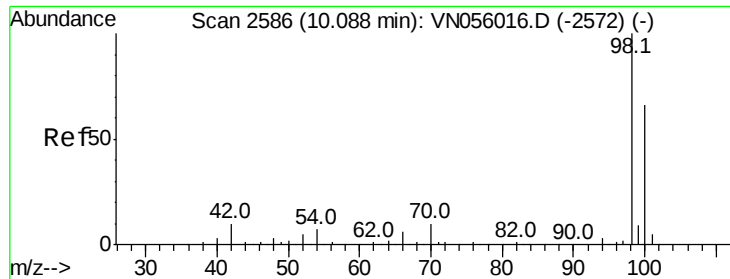
Delta R.T. -0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	91	Resp:	305743
Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.5	68.3





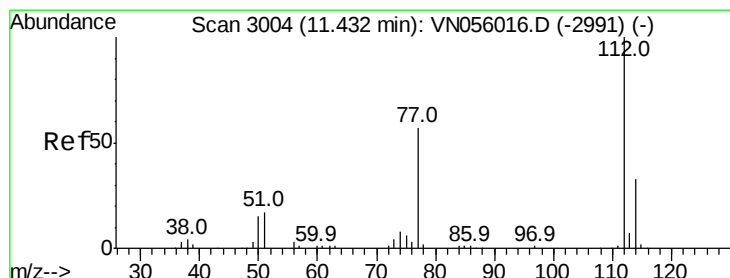
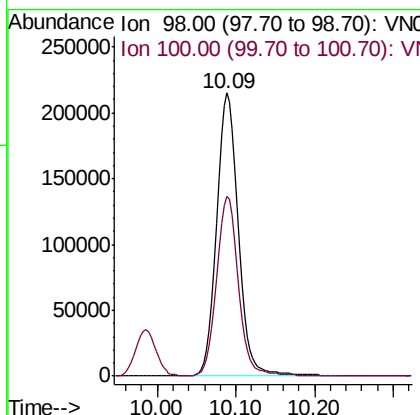
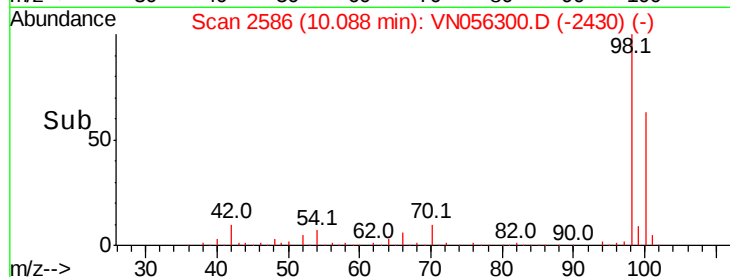
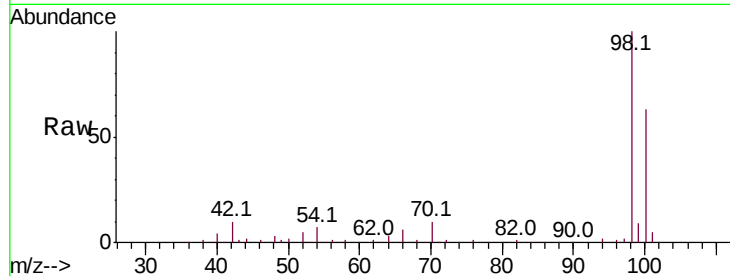
#63
Toluene-d8
Concen: 31.826 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 409202
Ion Ratio Lower Upper
98 100
100 63.3 52.2 78.4

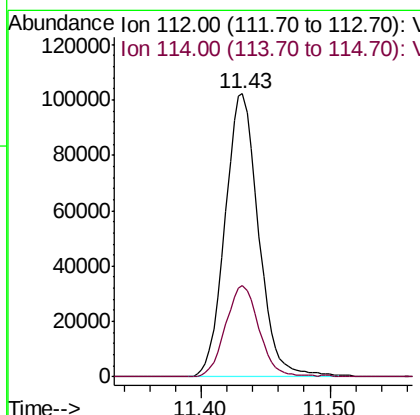
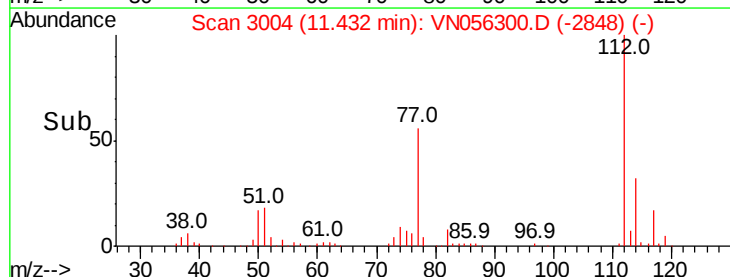
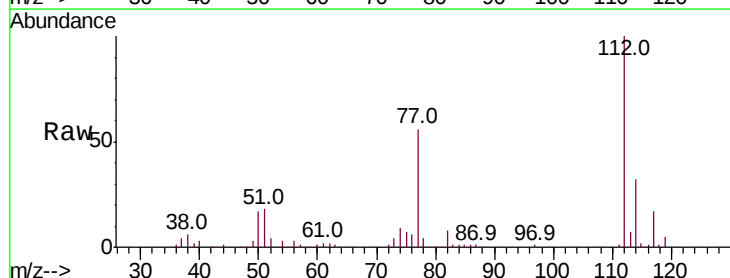
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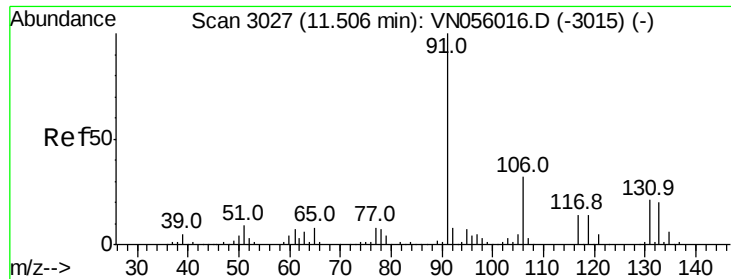
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#64
Chlorobenzene
Concen: 19.896 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion: 112 Resp: 184653
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.613 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

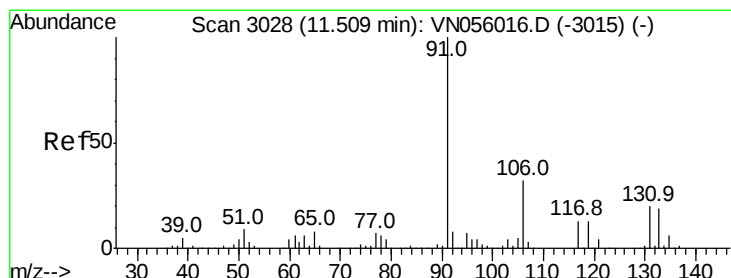
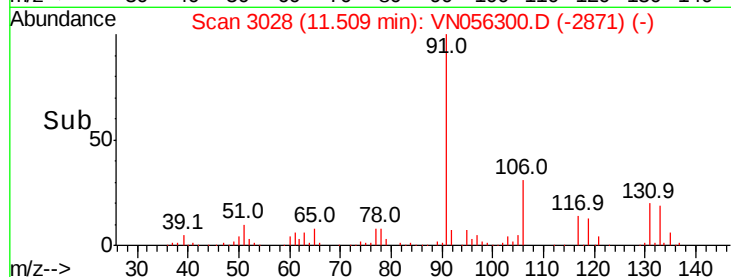
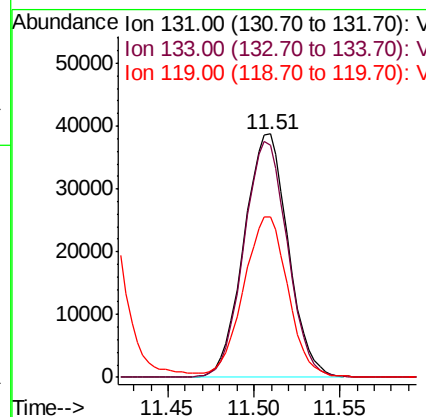
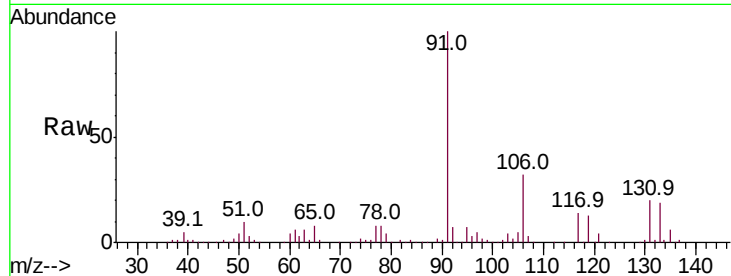
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	68986
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	193.8
119	66.7	0.0	134.4

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#66

Ethyl Benzene

Concen: 19.586 ug/l

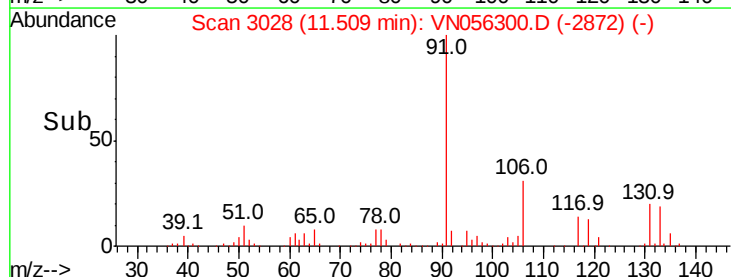
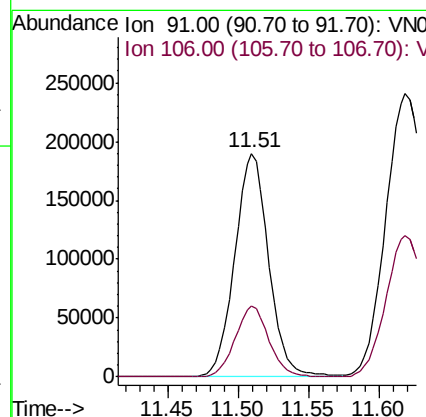
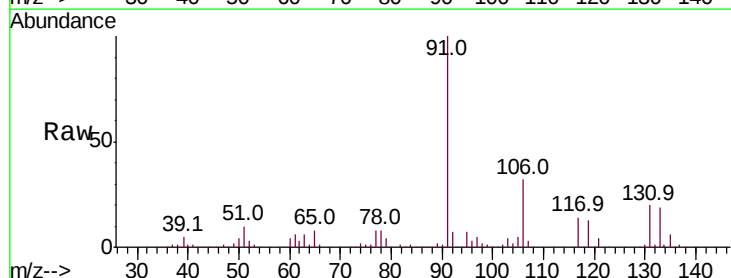
RT: 11.51 min Scan# 3028

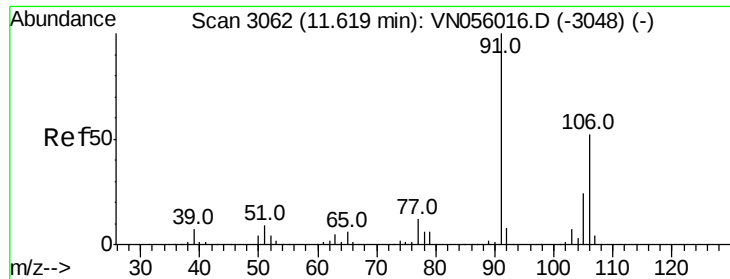
Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	91	Resp:	319201
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.7	38.5





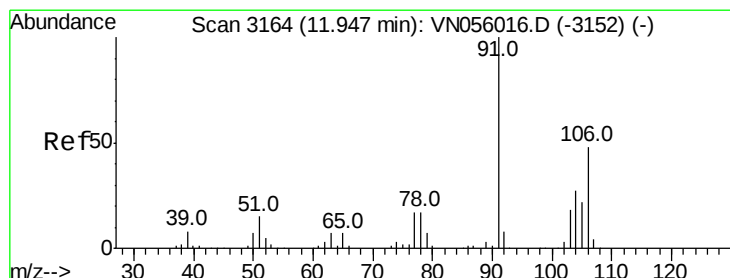
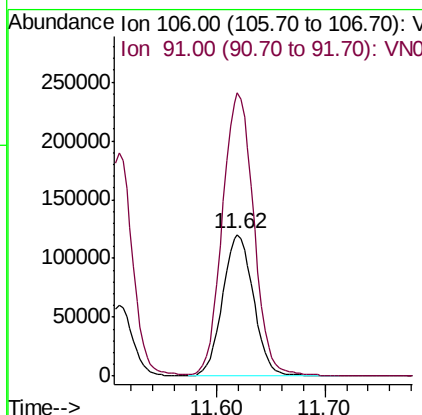
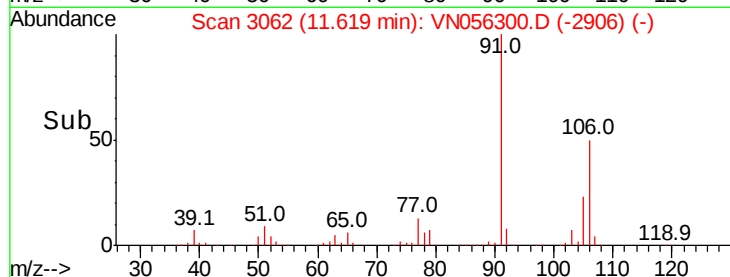
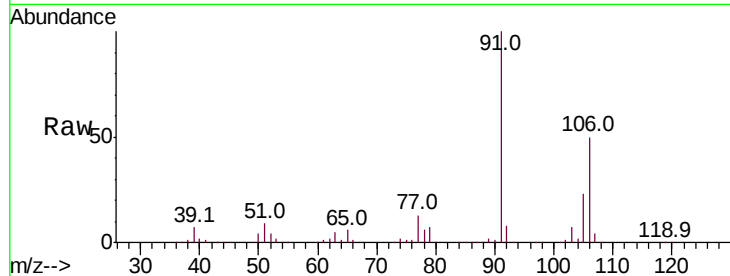
#67
m/p-Xylenes
Concen: 38.563 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 240553
Ion Ratio Lower Upper
106 100
91 203.2 155.7 233.5

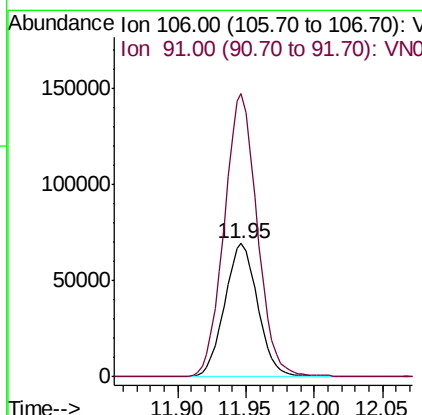
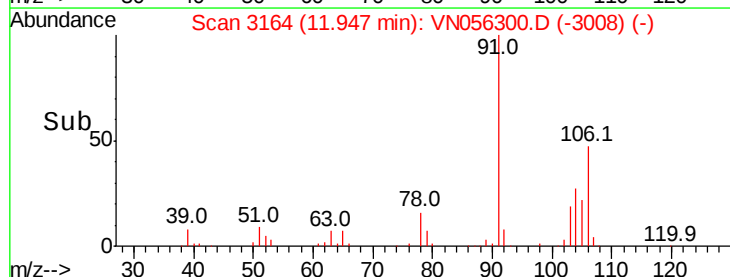
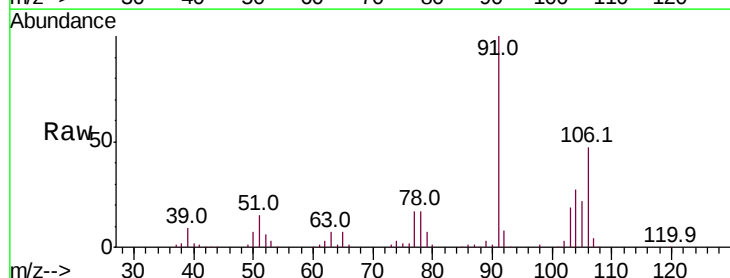
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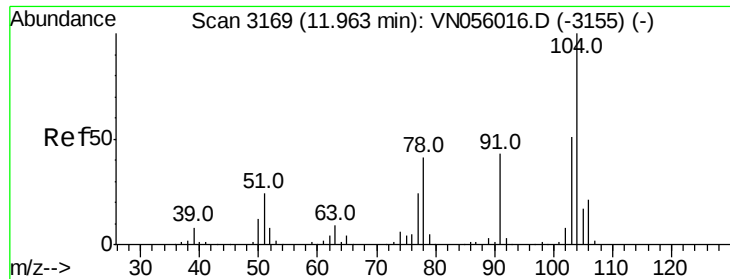
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#68
o-Xylene
Concen: 19.196 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion:106 Resp: 117225
Ion Ratio Lower Upper
106 100
91 211.7 103.9 311.7





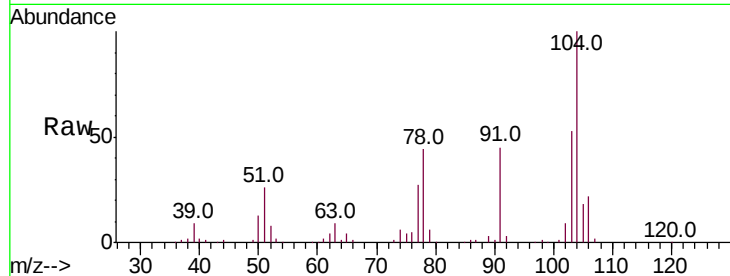
#69
Stvrene
Concen: 18.809 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

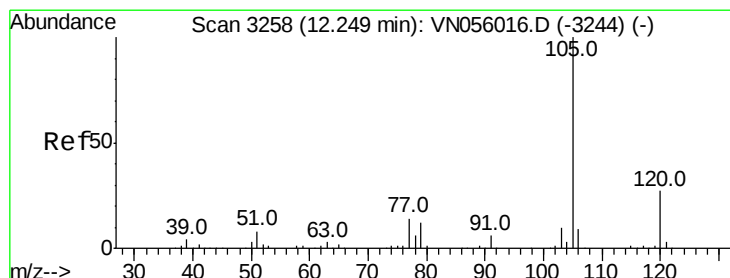
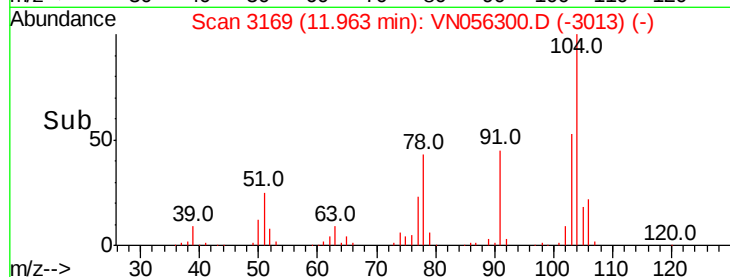
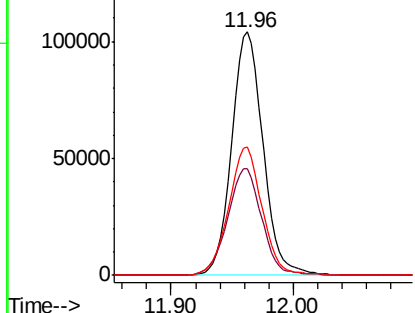
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	37.0	55.6
103	56.2	44.4	66.6

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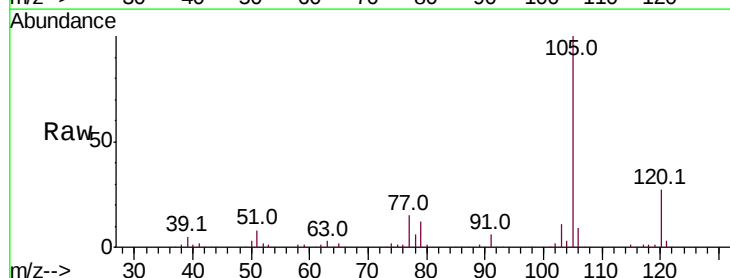


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

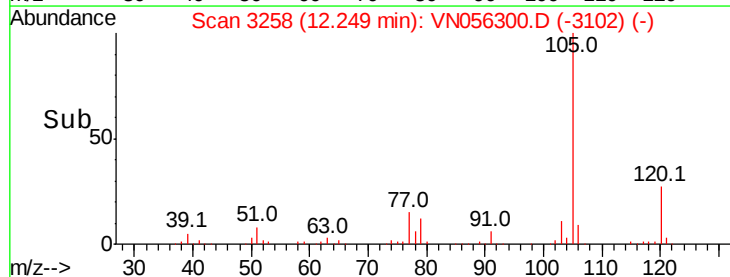
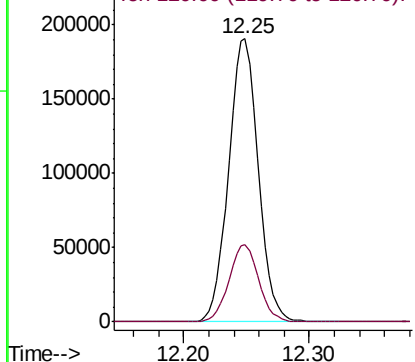


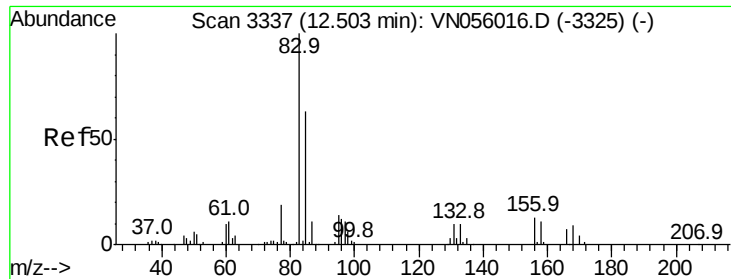
#70
Isopropylbenzene
Concen: 19.576 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	19.3	35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





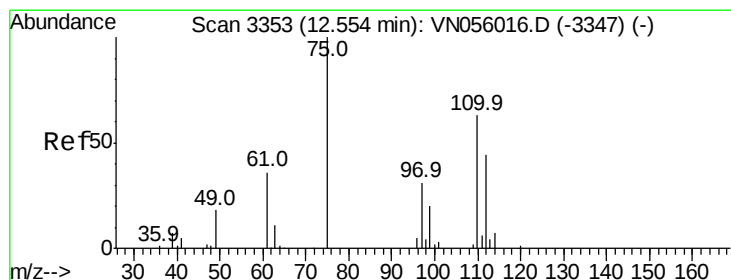
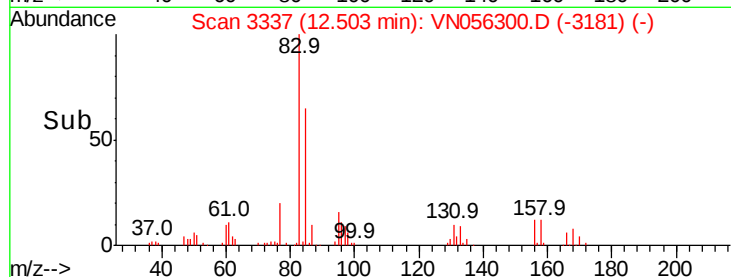
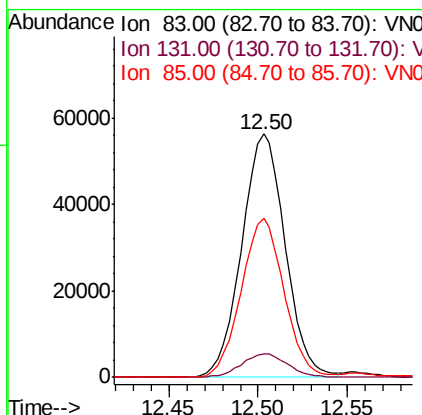
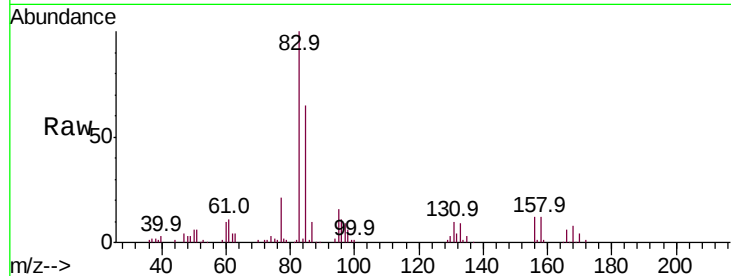
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.998 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	64.3	31.6	94.7

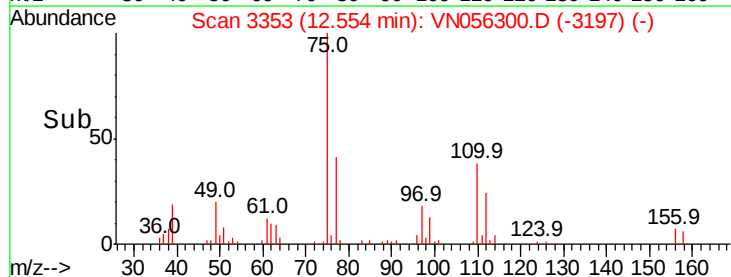
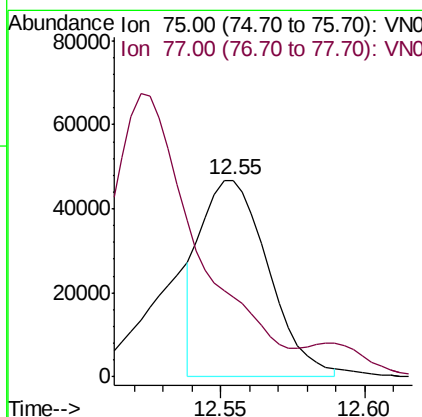
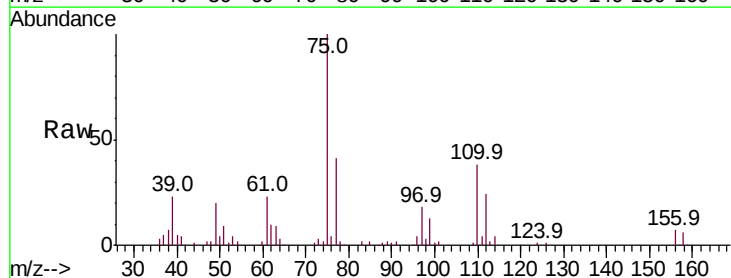
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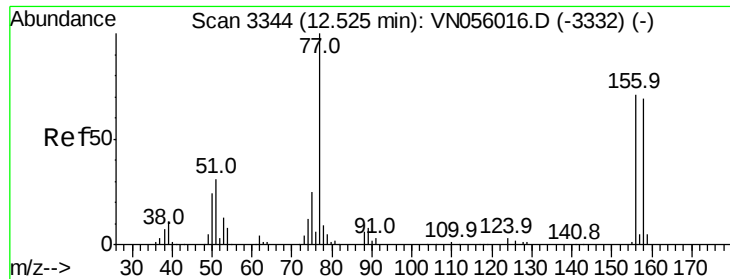
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#72
 1,2,3-Trichloropropane
 Concen: 18.302 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	191.0	0.0	350.0





#73

Bromobenzene

Concen: 19.026 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

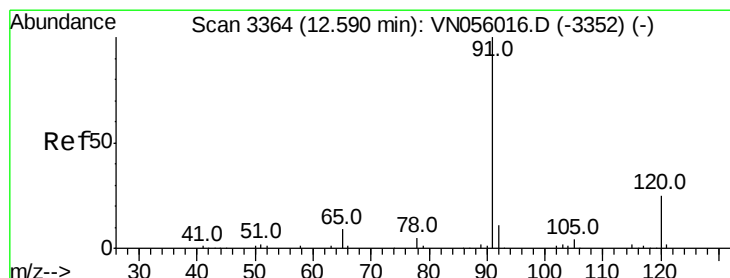
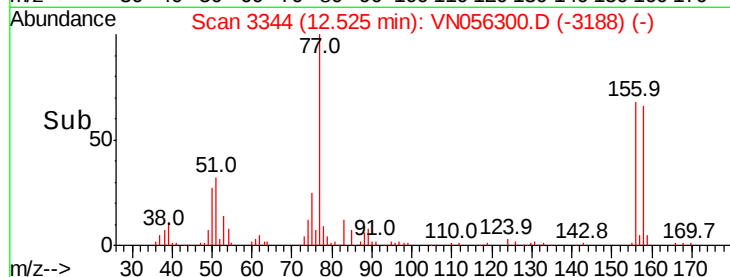
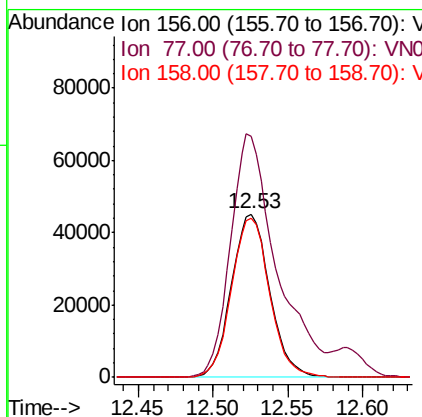
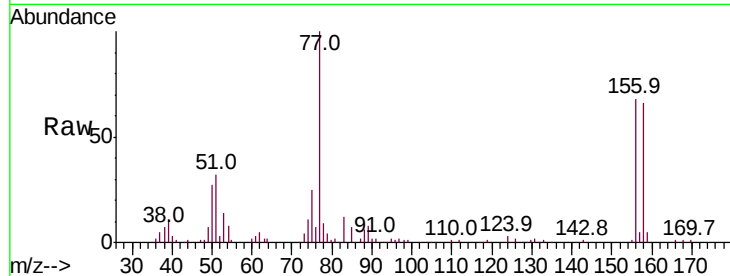
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	80576
Ion	Ratio	Lower	Upper
156	100		
77	180.7	0.0	350.8
158	97.4	0.0	193.2

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#74

n-propylbenzene

Concen: 19.247 ug/l

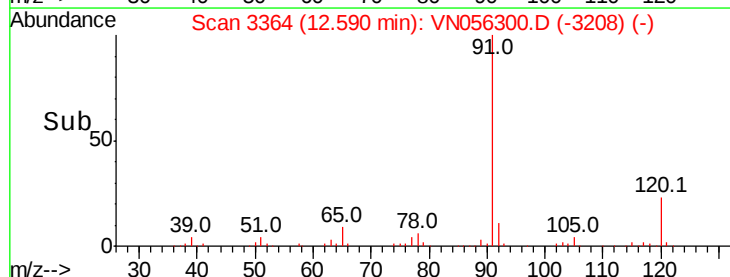
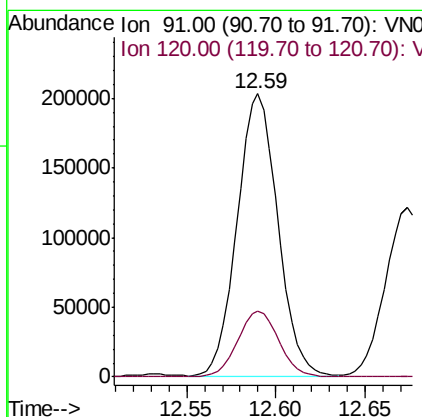
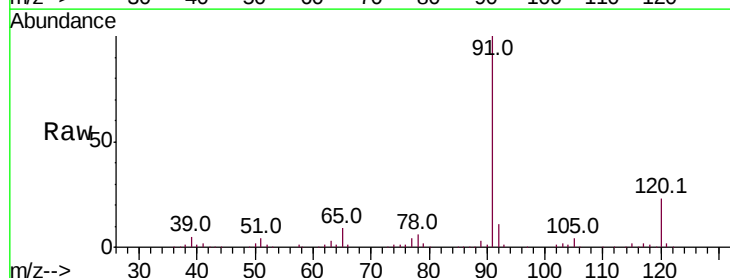
RT: 12.59 min Scan# 3364

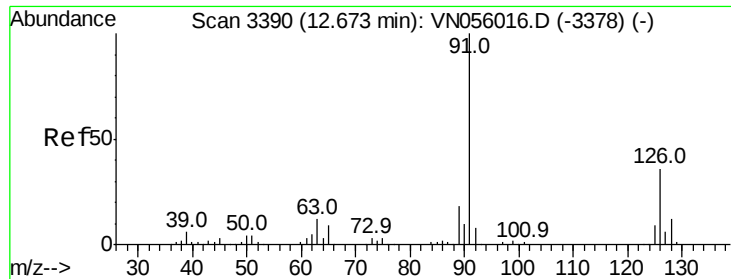
Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	91	Resp:	324080
Ion	Ratio	Lower	Upper
91	100		
120	23.3	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.497 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 203631

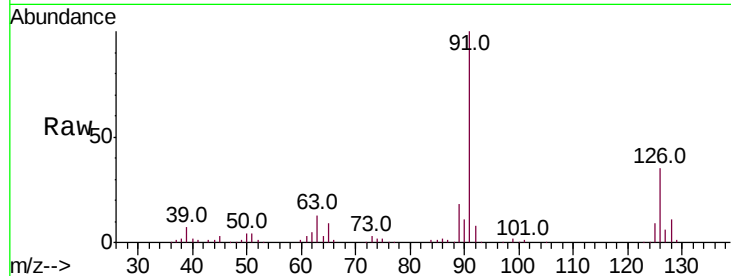
Ion Ratio Lower Upper

91 100

126 35.4 0.0 72.4

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Abundance Ion 91.00 (90.70 to 91.70): VN056300.D (-3234) (-)

Ion 126.00 (125.70 to 126.70): VN056300.D (-3234) (-)

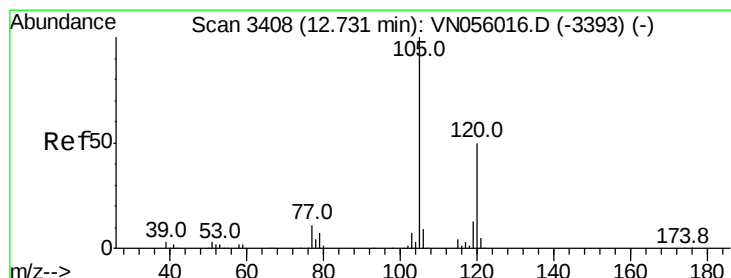
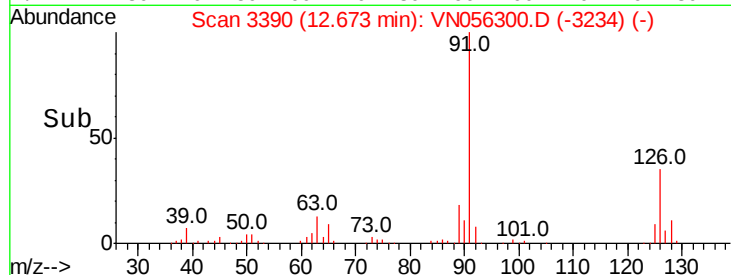
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 19.326 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056300.D

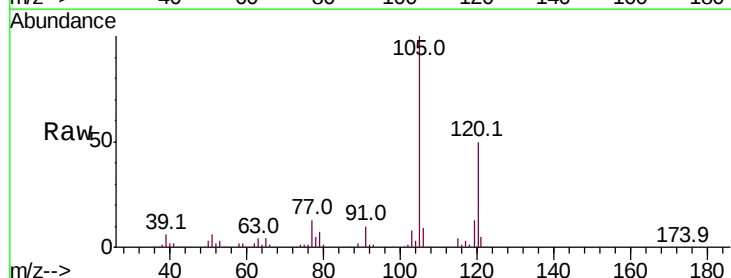
Acq: 14 Jun 2019 9:19

Tgt Ion: 105 Resp: 253644

Ion Ratio Lower Upper

105 100

120 48.7 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056300.D (-3252) (-)

Ion 120.00 (119.70 to 120.70): VN056300.D (-3252) (-)

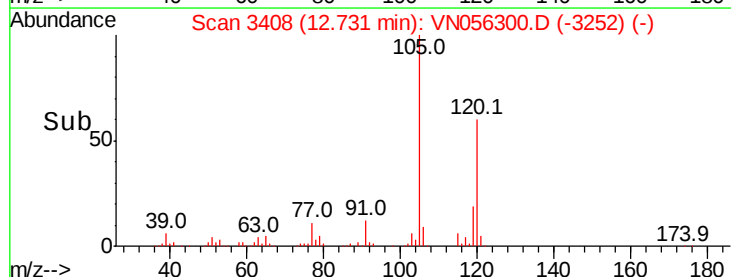
150000

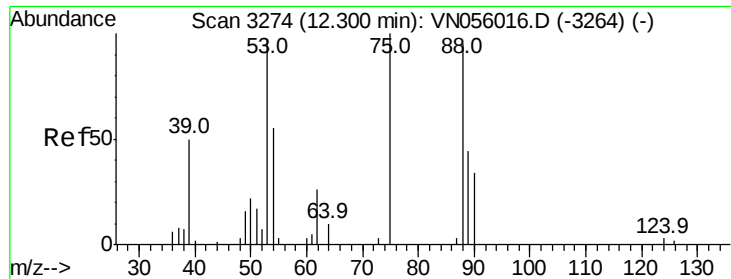
100000

50000

0

Time--> 12.70 12.80





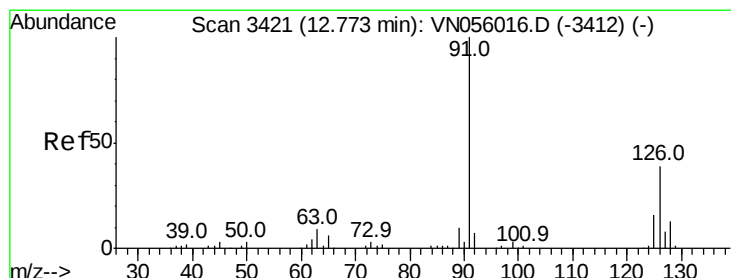
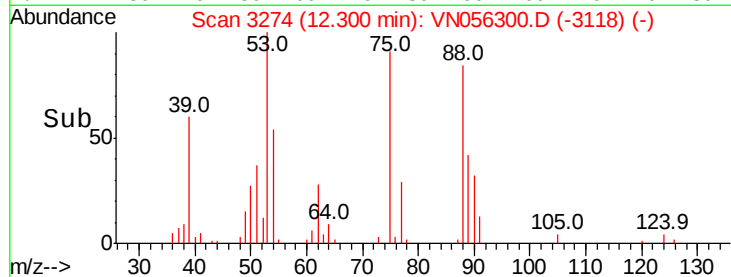
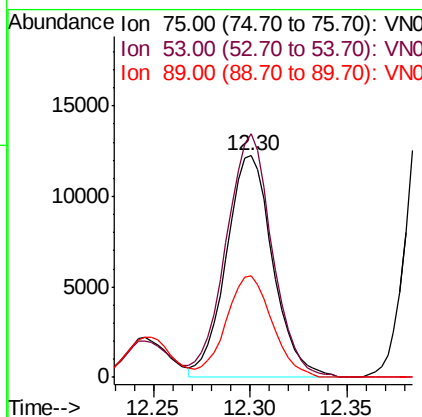
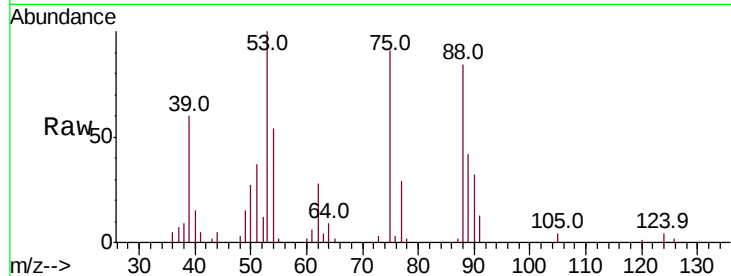
#77
t-1,4-Dichloro-2-butene
Concen: 17.325 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.9	48.0	144.0
89	45.7	22.5	67.5

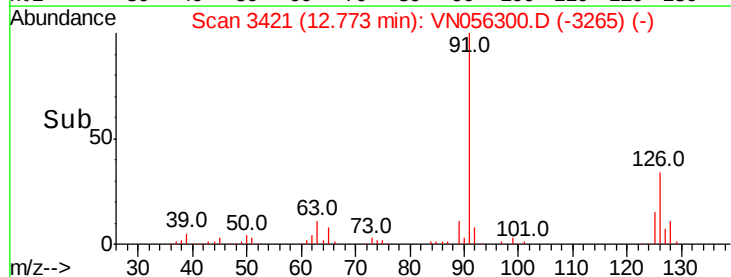
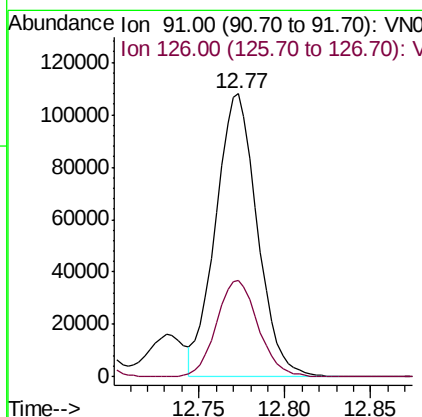
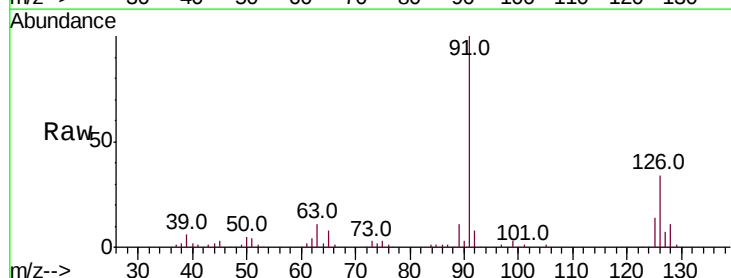
Manual Integrations
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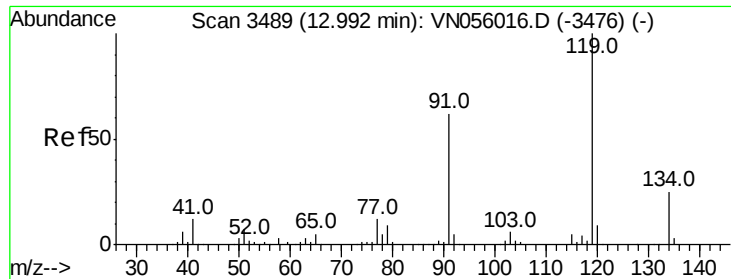
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#78
4-Chlorotoluene
Concen: 18.708 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	71.8





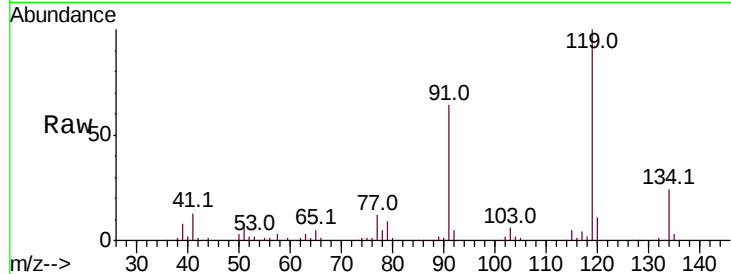
#79
tert-butylbenzene
Concen: 19.169 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

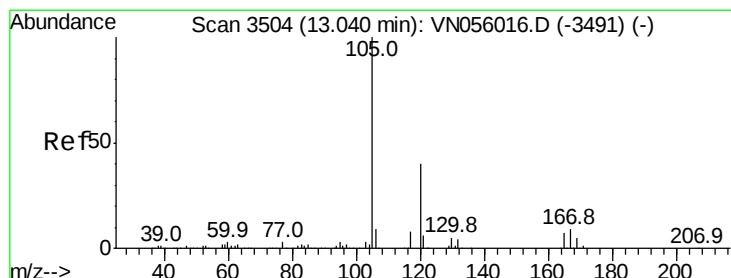
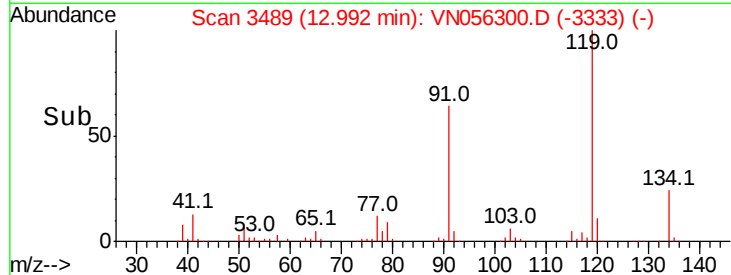
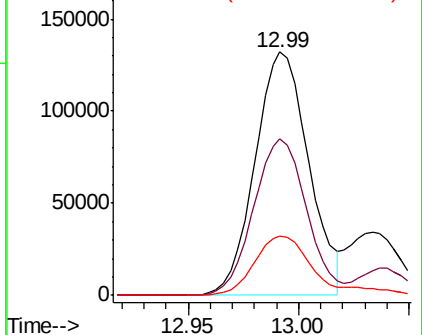
Tot Ion	Ratio	Resp	Lower	Upper
119	100	222898		
91	63.5	0.0	122.8	
134	24.8	0.0	50.2	

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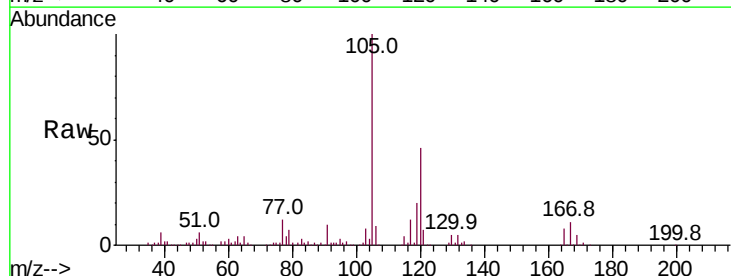


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

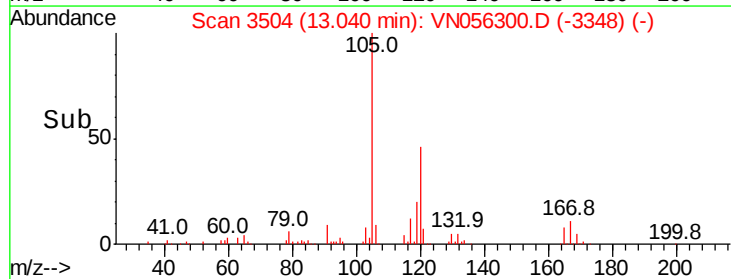
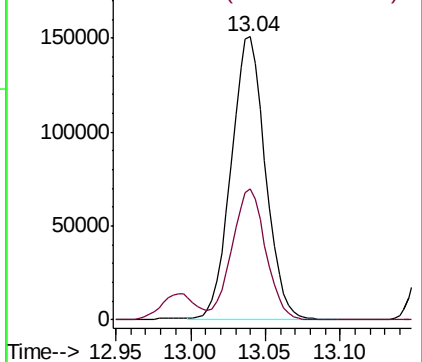


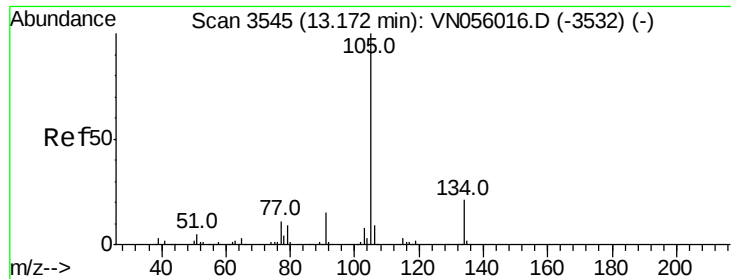
#80
1,2,4-Trimethylbenzene
Concen: 18.878 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056300.D
Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241019		
120	45.7	0.0	93.4	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.423 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 285712

Ion Ratio Lower Upper

105 100

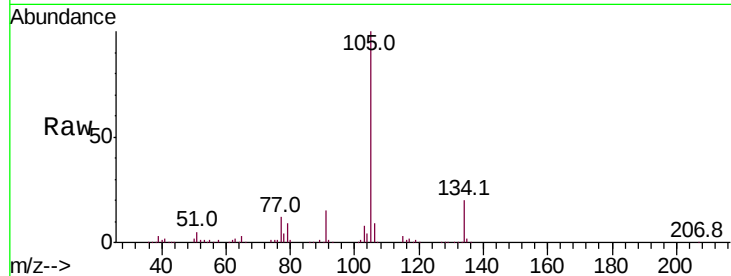
134 20.3 0.0 41.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

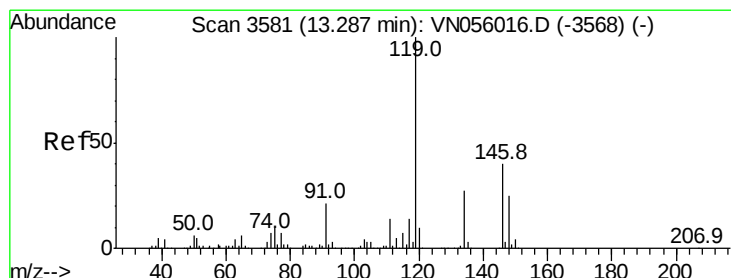
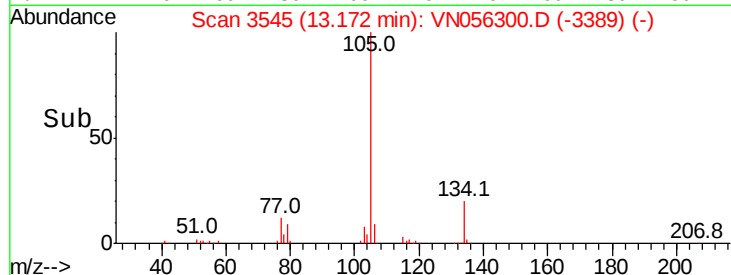
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.308 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

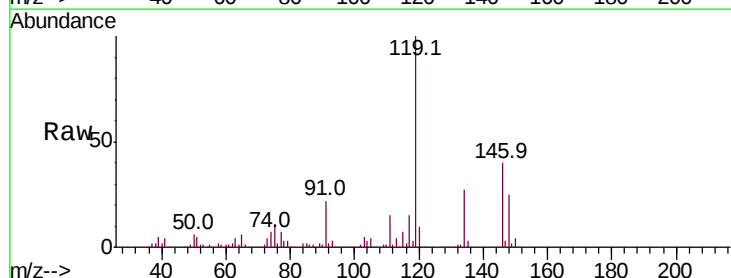
Tgt Ion:119 Resp: 243479

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.4

91 22.5 0.0 43.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

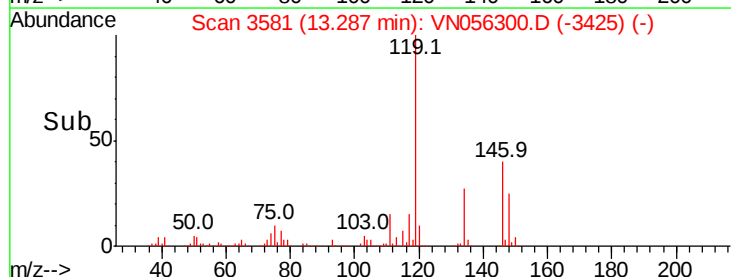
150000

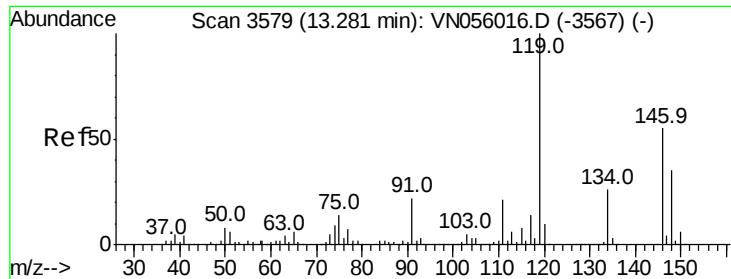
100000

50000

0

Time-->





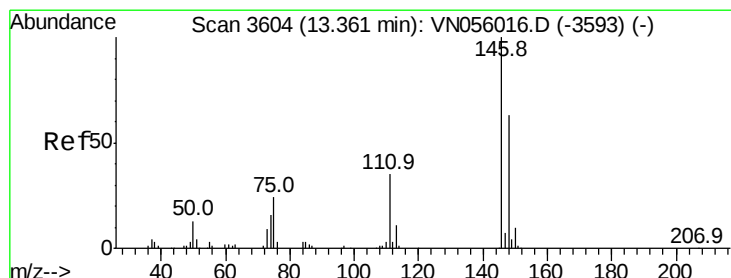
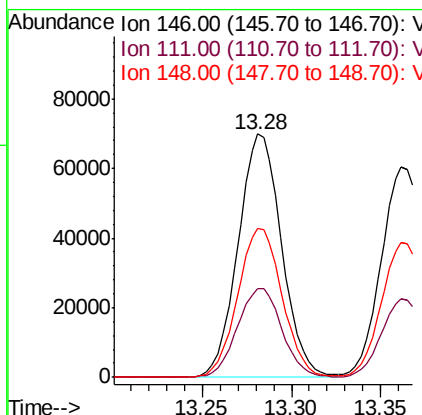
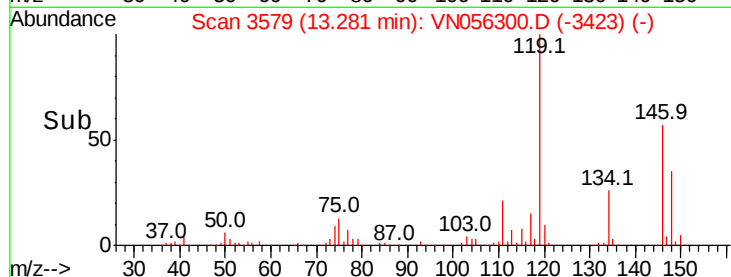
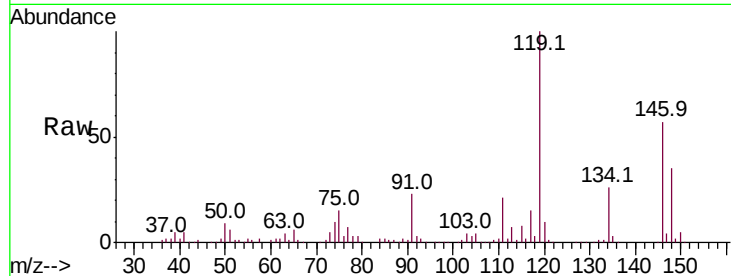
#83
 1,3-Dichlorobenzene
 Concen: 17.975 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118635		
111	37.4	18.2	54.6	
148	62.5	31.9	95.9	

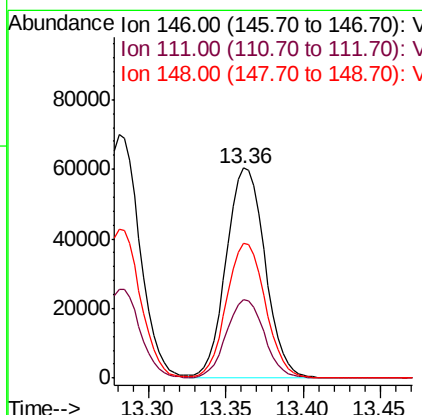
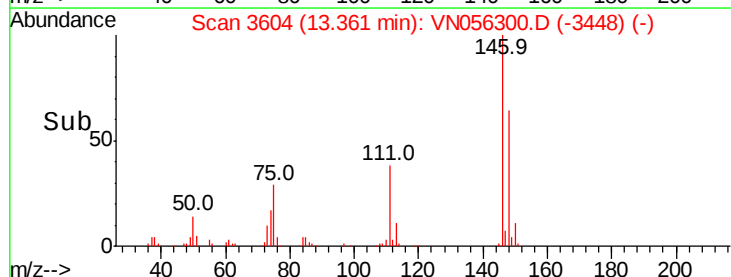
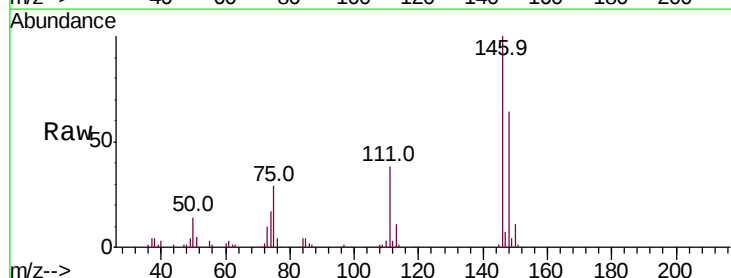
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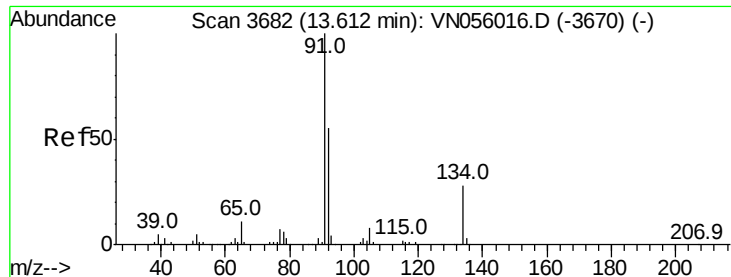
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#84
 1,4-Dichlorobenzene
 Concen: 16.782 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105506		
111	36.5	17.6	52.9	
148	64.2	32.1	96.3	





#85

n-Butylbenzene

Concen: 16.167 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

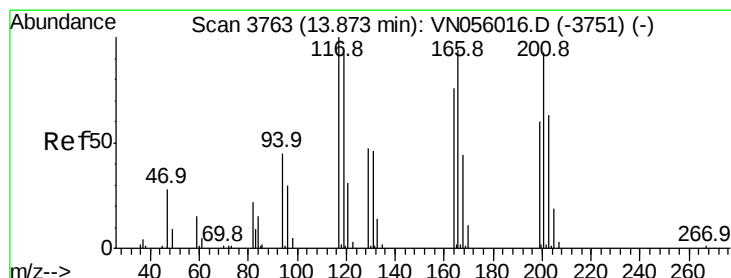
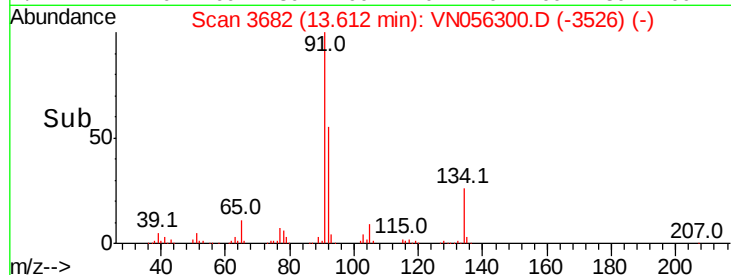
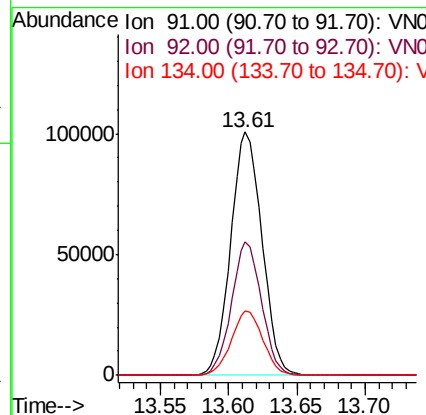
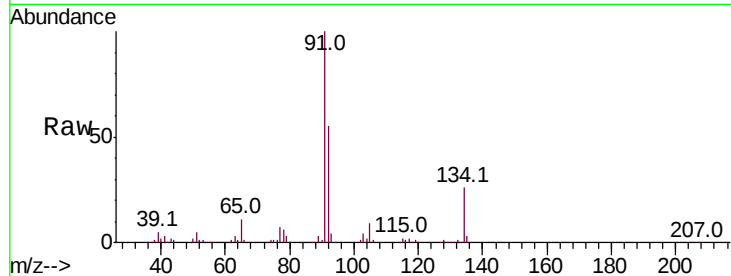
ClientSampled :

VSTDCCC020

Tot Ion:	91	Resp:	160468
Ion Ratio	Lower	Upper	
91	100		
92	52.7	0.0	107.2
134	26.6	0.0	55.8

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#86

Hexachloroethane

Concen: 20.624 ug/l

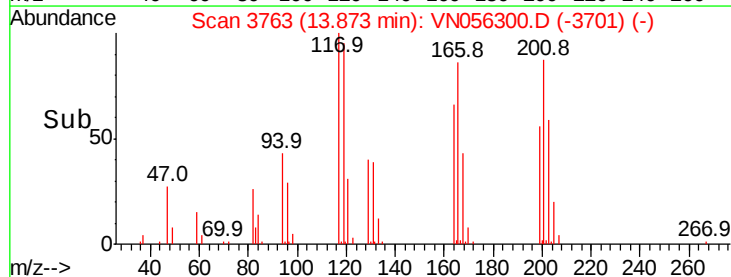
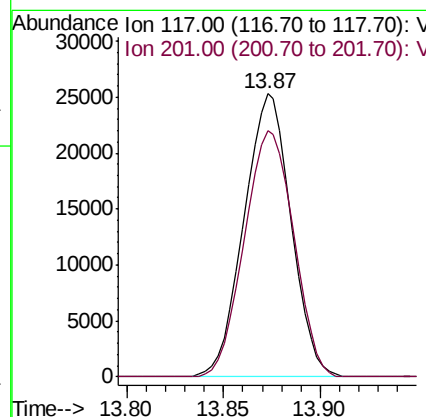
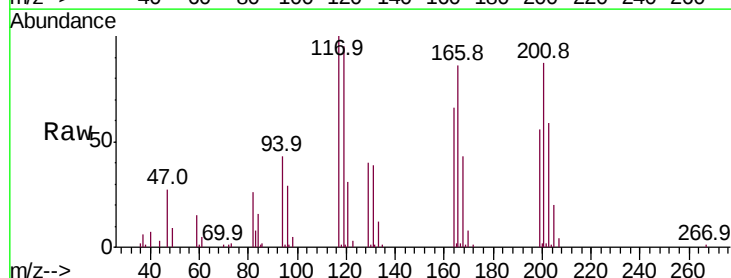
RT: 13.87 min Scan# 3763

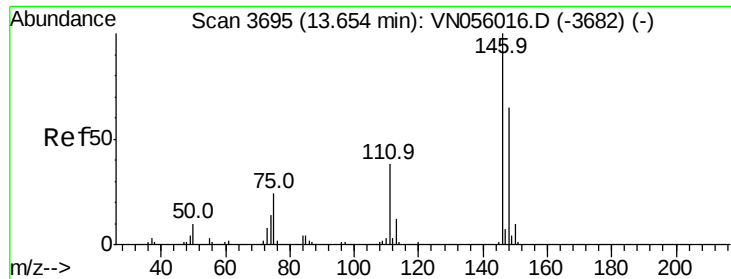
Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	117	Resp:	42760
Ion Ratio	Lower	Upper	
117	100		
201	91.1	48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 17.253 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

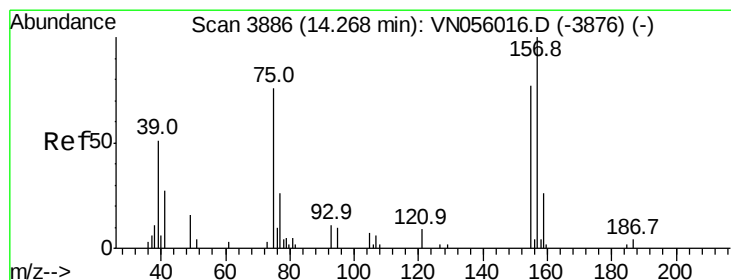
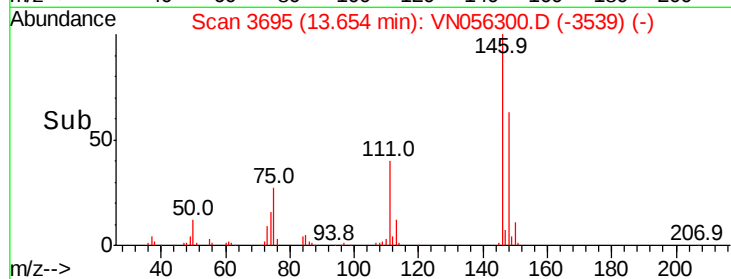
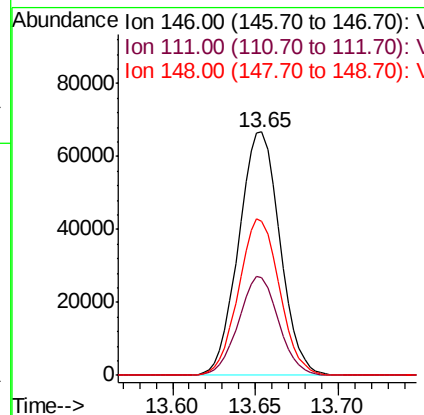
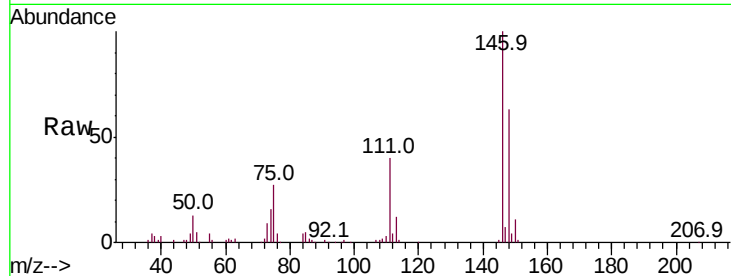
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	115745
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.3	57.9
148	63.5	32.6	97.8

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.380 ug/l

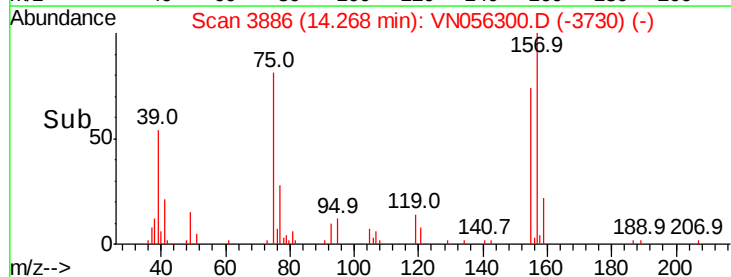
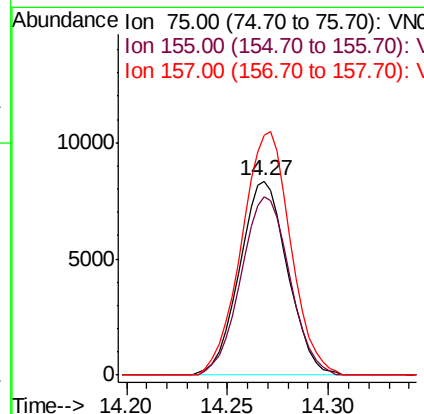
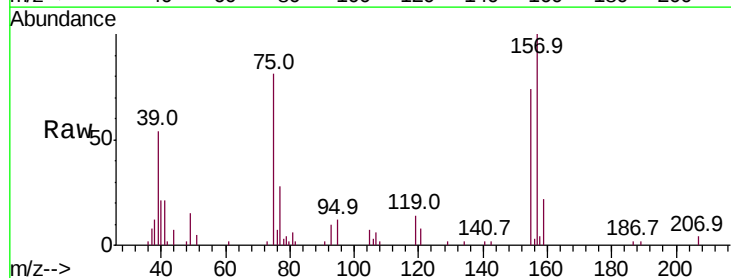
RT: 14.27 min Scan# 3886

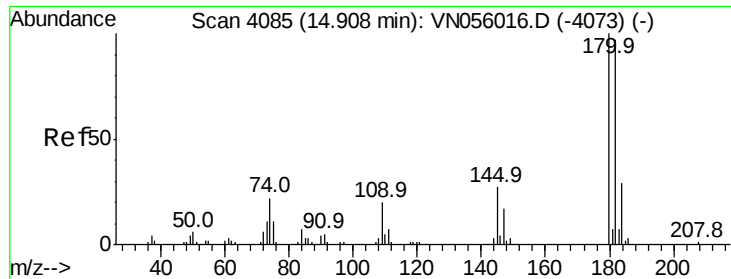
Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	75	Resp:	13879
Ion Ratio	Lower	Upper	
75	100		
155	93.3	82.5	123.7
157	128.4	105.1	157.7





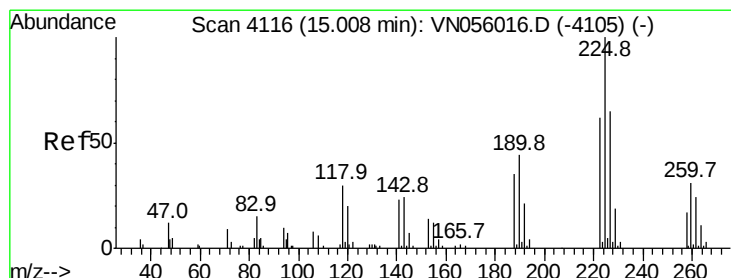
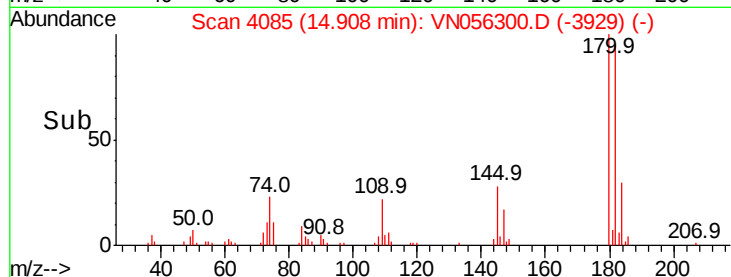
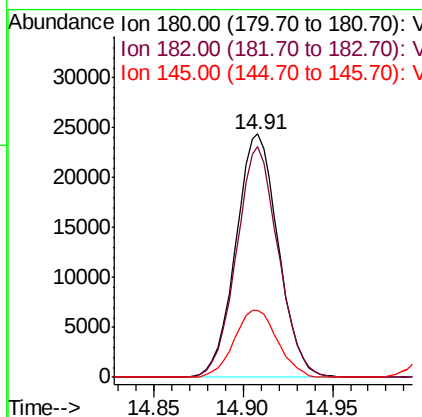
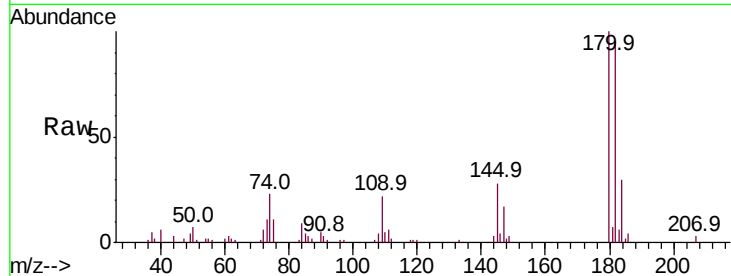
#89
 1,2,4-Trichlorobenzene
 Concen: 17.167 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.0	112.6
145	28.2	22.1	33.1

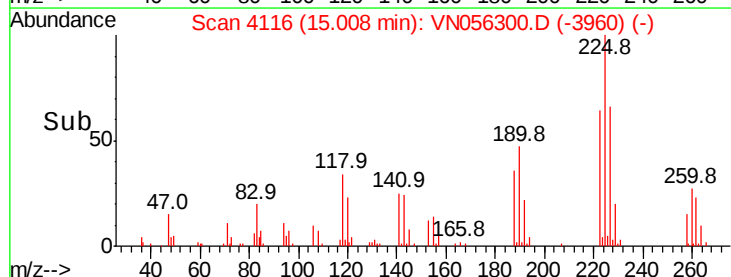
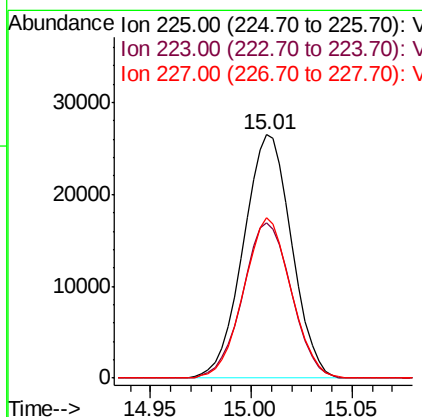
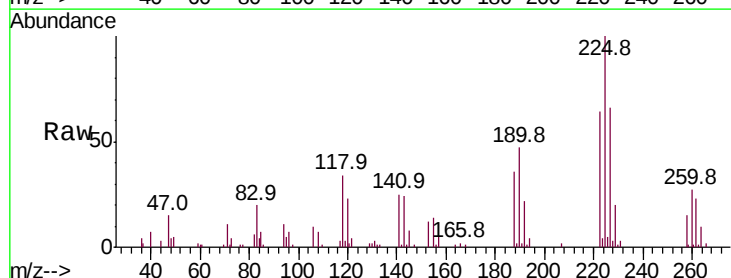
Manual Integrations
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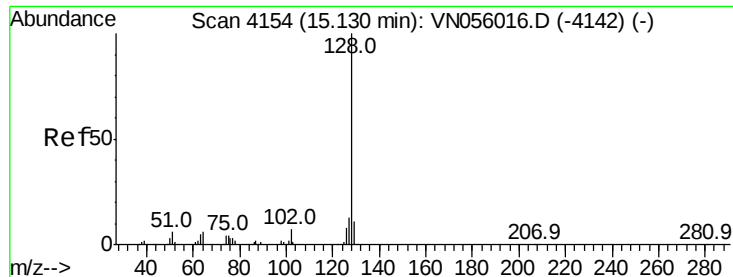
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 18.118 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056300.D
 Acq: 14 Jun 2019 9:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	0.0	125.6
227	64.4	0.0	128.6





#91

Naphthalene

Concen: 12.143 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Instrument :

MSVOA_N

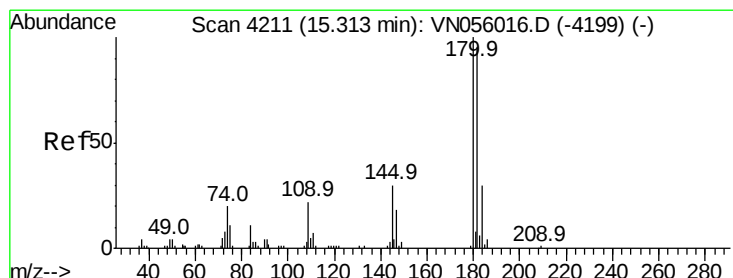
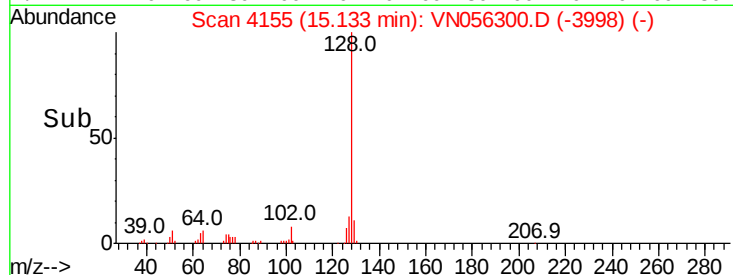
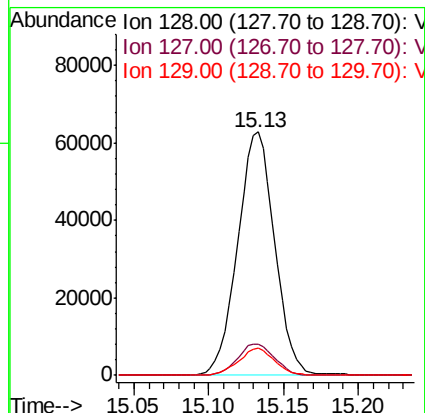
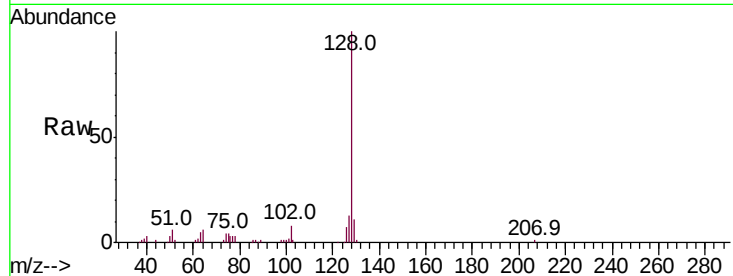
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	108196
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
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MMDadoda
6/17/2019 9:46:02 AM



#92

1,2,3-Trichlorobenzene

Concen: 13.871 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056300.D

Acq: 14 Jun 2019 9:19

Tgt Ion:	180	Resp:	48713
Ion Ratio	Lower	Upper	
180	100		
182	94.8	0.0	193.4
145	31.6	0.0	59.8

