

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056305.D
 Acq On : 14 Jun 2019 11:25
 Operator : JC/SP
 Sample : VN0614WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:45:52 AM

Quant Time: Jun 14 11:50:44 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	58187	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	309531	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	274962	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	117544	32.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.43%
60) 4-Bromofluorobenzene	12.40	95	122386	30.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.10%
63) Toluene-d8	10.09	98	386871	31.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	70290	21.478	ug/l 99
3) Chloromethane	2.06	50	83322	21.791	ug/l 99
4) Vinyl Chloride	2.18	62	81244	20.839	ug/l 98
5) Bromomethane	2.54	94	36459m	14.881	ug/l
6) Chloroethane	2.69	64	47472	21.528	ug/l 96
7) Trichlorofluoromethane	3.01	101	103171	21.389	ug/l 96
8) Diethyl Ether	3.40	74	41240	20.159	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	63152	21.210	ug/l 97
10) 1,1-Dichloroethene	3.72	96	62829	20.685	ug/l 99
11) Methyl Iodide	3.94	142	39269	8.195	ug/l 98
12) Methyl Acetate	4.33	43	80928	22.173	ug/l 99
13) Acrolein	3.60	56	18778	105.554	ug/l 98
14) Acrylonitrile	4.99	53	175024	107.530	ug/l 98
15) Acetone	3.82	58	55023	103.243	ug/l 93
16) Carbon Disulfide	4.04	76	152510	21.103	ug/l 99
17) Allyl chloride	4.31	41	102622	21.806	ug/l 98
18) Methylene Chloride	4.54	84	74478	21.181	ug/l 94
19) trans-1,2-Dichloroethene	5.03	96	67153	20.713	ug/l 95
20) Diisopropyl ether	5.96	45	210059	21.544	ug/l 98
21) 1,1-Dichloroethane	5.85	63	122269	21.578	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	77718	20.538	ug/l 97
23) tert-Butyl Alcohol	4.81	59	51502	81.290	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	196869	20.338	ug/l 100
25) Chloroform	7.37	83	122350	21.623	ug/l 100
26) Cyclohexane	7.65	56	108921	20.719	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	89242	21.314	ug/l 99
30) 2-Butanone	6.84	43	235301	106.751	ug/l 98
31) 2,2-Dichloropropane	6.82	77	79476	20.405	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	100343	21.691	ug/l 99
33) Carbon Tetrachloride	7.77	117	84308	21.511	ug/l 98
34) Benzene	8.04	78	282238	21.156	ug/l 98
35) Methacrylonitrile	7.18	41	40809m	21.925	ug/l
36) 1,2-Dichloroethane	8.12	62	93425	22.358	ug/l 97
37) Trichloroethene	8.83	130	76662	20.536	ug/l 98
38) Methylcyclohexane	9.08	83	106746	20.110	ug/l 99
39) 1,2-Dichloropropane	9.12	63	75439	22.080	ug/l 95
40) Dibromomethane	9.21	93	50557	22.317	ug/l 94

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Jun 14 11:50:44 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)
41) Bromodichloromethane	9.40	83	89860	22.152	ug/l	99
42) Vinyl Acetate	5.90	43	855906	108.917	ug/l	98
43) Ethyl Acetate	6.94	43	90611	21.479	ug/l	95
44) Isopropyl Acetate	8.17	43	133211	20.338	ug/l	98
45) 1,4-Dioxane	9.20	88	27473	392.098	ug/l	91
46) Methyl methacrylate	9.20	41	67206	20.654	ug/l	96
47) n-amyl Acetate	12.07	43	109135	20.148	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	86209	20.194	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	104128	20.830	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	70563	20.971	ug/l	97
51) Ethyl methacrylate	10.43	69	99151	19.477	ug/l	92
52) 1,3-Dichloropropane	10.71	76	115834	21.234	ug/l	98
53) Dibromochloromethane	10.90	129	71326	21.654	ug/l	98
54) 1,2-Dibromoethane	11.01	107	74523	21.224	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	156632	87.844	ug/l	99
56) Bromoform	12.13	173	49946	20.961	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	443953	106.627	ug/l	98
59) 2-Hexanone	10.75	43	320697	107.764	ug/l	98
61) Tetrachloroethene	10.63	164	73866	19.275	ug/l	99
62) Toluene	10.16	91	301199	20.292	ug/l	99
64) Chlorobenzene	11.43	112	185669	20.622	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	68023	20.952	ug/l	99
66) Ethyl Benzene	11.51	91	320706	20.285	ug/l	99
67) m/p-Xylenes	11.62	106	242990	40.154	ug/l	97
68) o-Xylene	11.95	106	119142	20.111	ug/l	98
69) Styrene	11.96	104	189293	19.666	ug/l	98
70) Isopropylbenzene	12.25	105	314164	20.297	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	101011	21.645	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	86662m	21.451	ug/l	
73) Bromobenzene	12.53	156	81744	19.896	ug/l	95
74) n-propylbenzene	12.59	91	326949	20.016	ug/l	99
75) 2-Chlorotoluene	12.67	91	207737	20.503	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	254582	19.995	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19745	17.129	ug/l	95
78) 4-Chlorotoluene	12.77	91	185847	19.641	ug/l	99
79) tert-butylbenzene	12.99	119	224871	19.935	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	242858	19.608	ug/l	99
81) sec-Butylbenzene	13.17	105	287577	20.153	ug/l	99
82) p-Isopropyltoluene	13.29	119	247230	19.162	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	120492	18.819	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	109189	17.903	ug/l	99
85) n-Butylbenzene	13.61	91	166980	17.341	ug/l	98
86) Hexachloroethane	13.87	117	41680	20.723	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	120499	18.515	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14584	19.908	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	41743	17.698	ug/l	98
90) Hexachlorobutadiene	15.01	225	44925	18.909	ug/l	99
91) Naphthalene	15.13	128	114014	13.190	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	50513	14.827	ug/l	97

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Manual Integrations
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QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

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

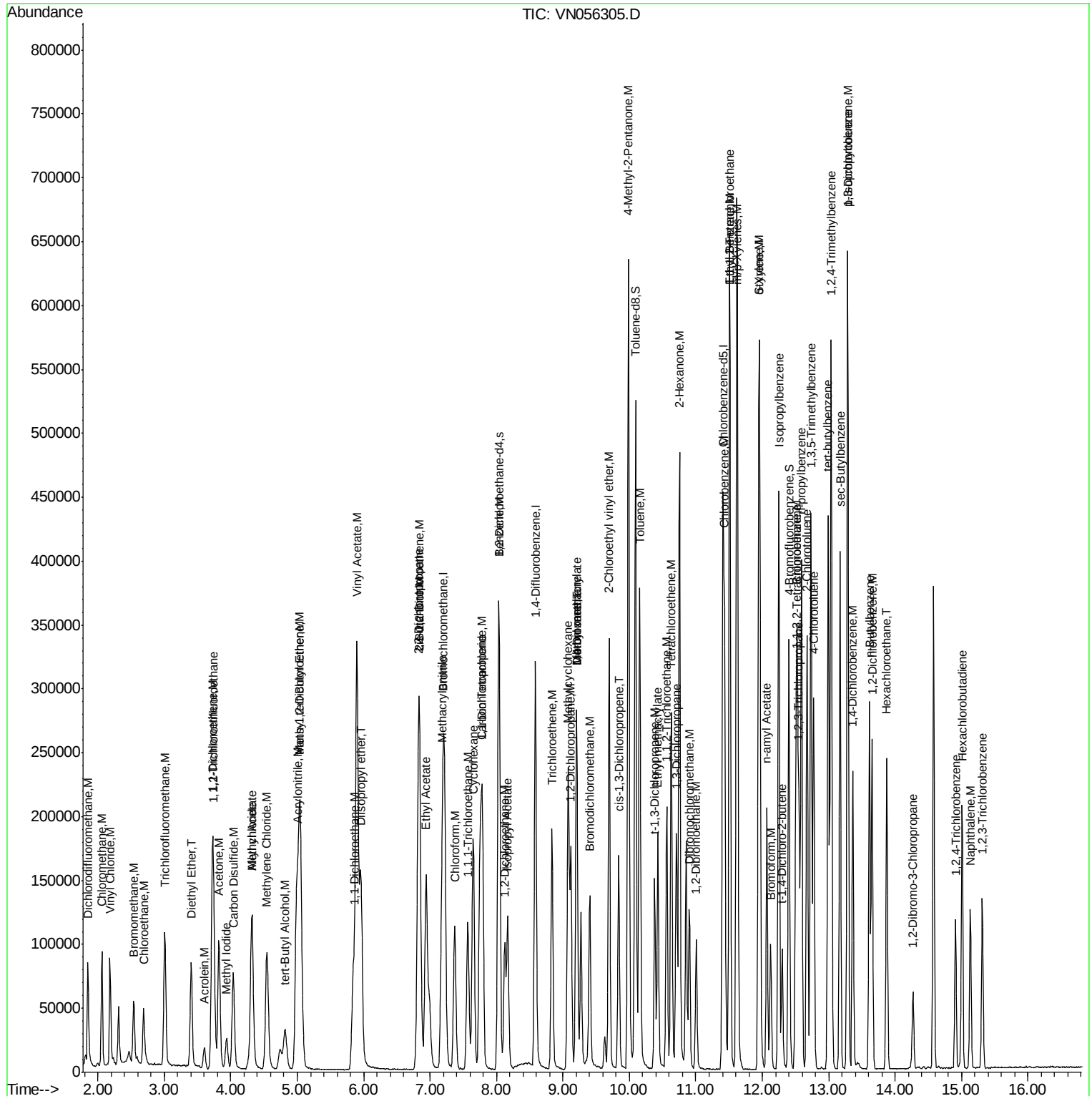
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
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 Misc : 5.00mL/MSVOA N/WATER
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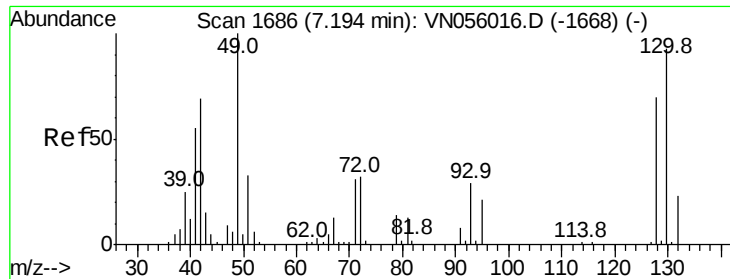
Instrument :
 MSVOA_N
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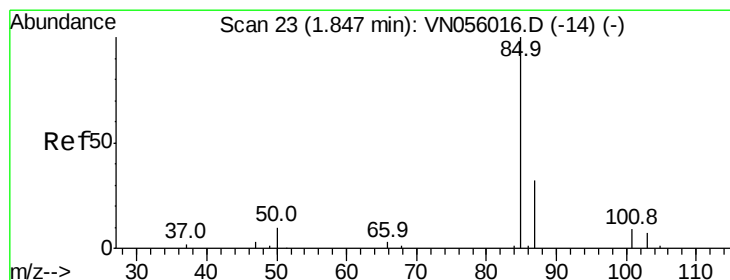
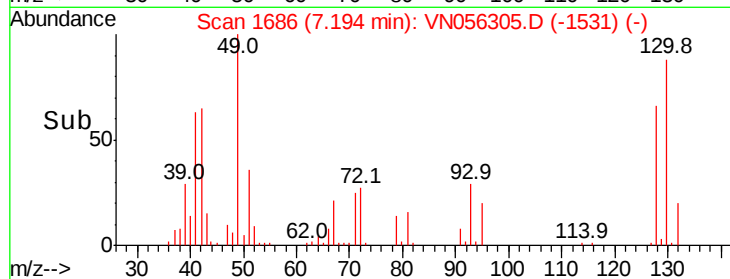
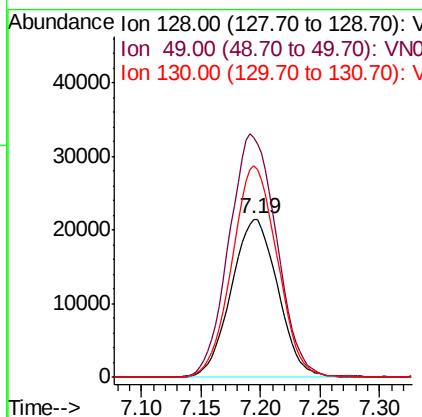
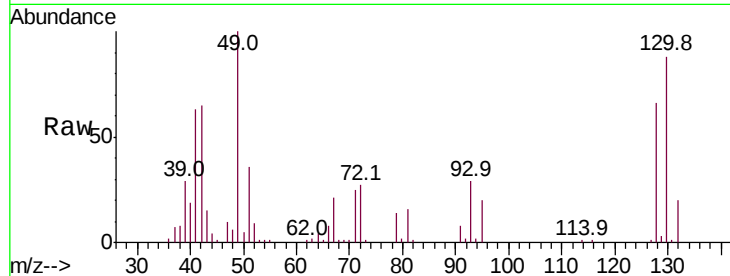
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 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	157.2	0.0	355.8
130	130.4	0.0	326.3

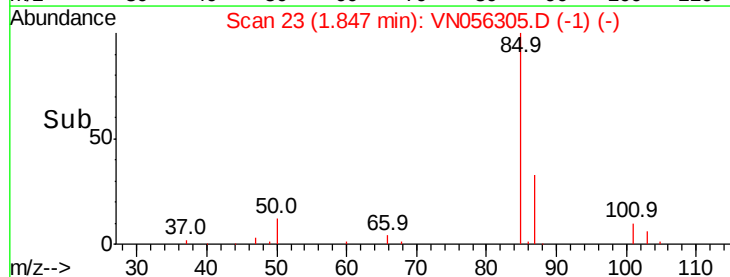
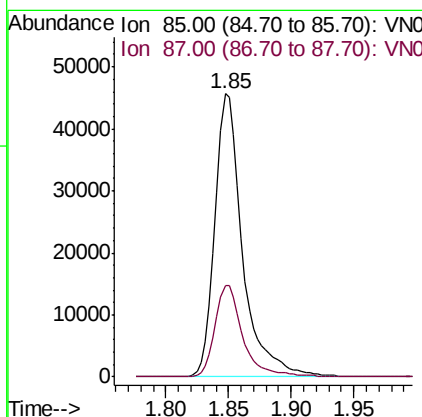
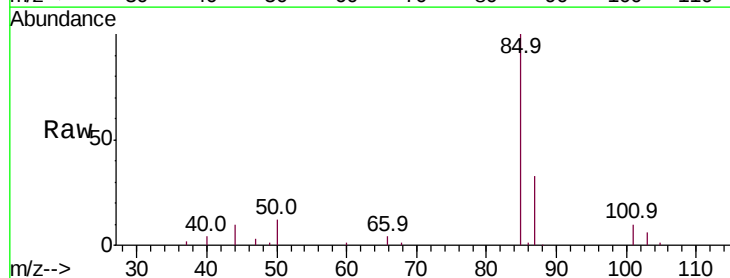
Manual Integrations
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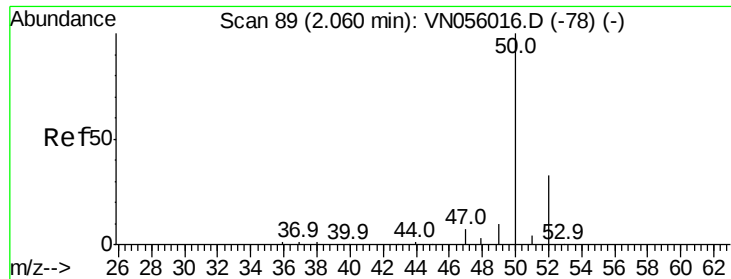
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#2
 Dichlorodifluoromethane
 Concen: 21.478 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.9	47.7





#3

Chloromethane

Concen: 21.791 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 50 Resp: 83322

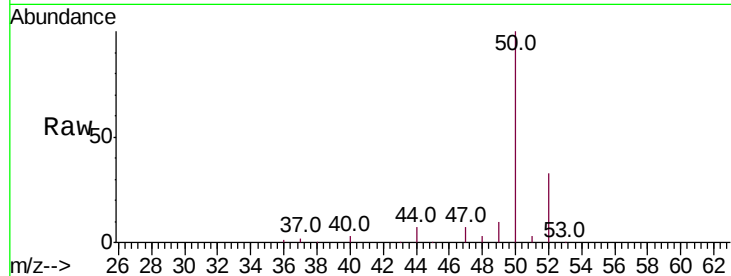
Ion Ratio Lower Upper

50 100

52 32.7 26.7 40.1

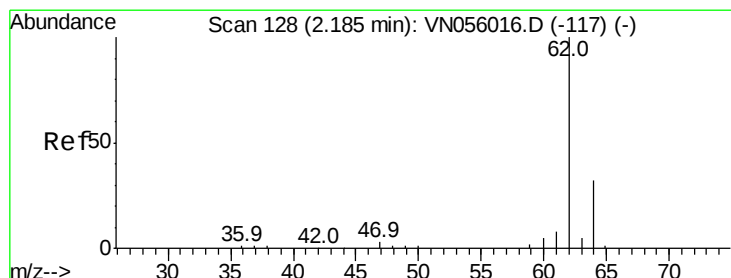
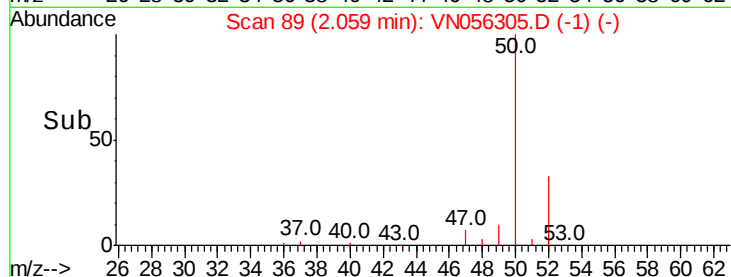
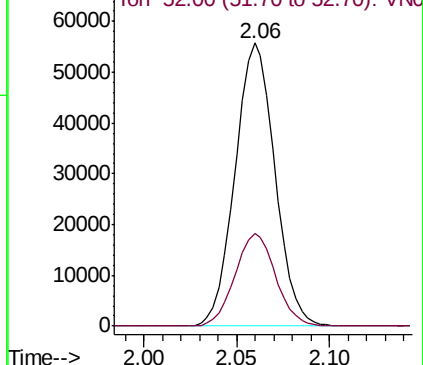
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Abundance Ion 50.00 (49.70 to 50.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#4

Vinyl Chloride

Concen: 20.839 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056305.D

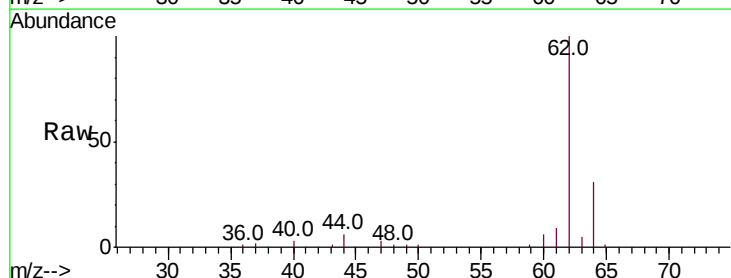
Acq: 14 Jun 2019 11:25

Tgt Ion: 62 Resp: 81244

Ion Ratio Lower Upper

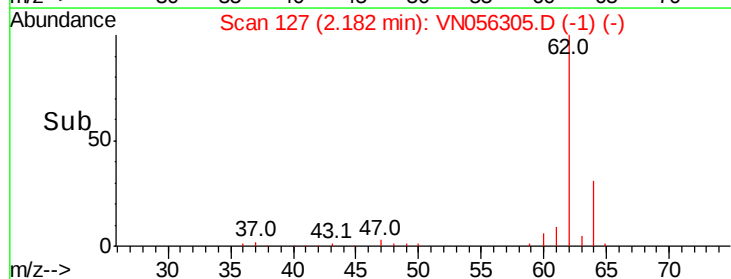
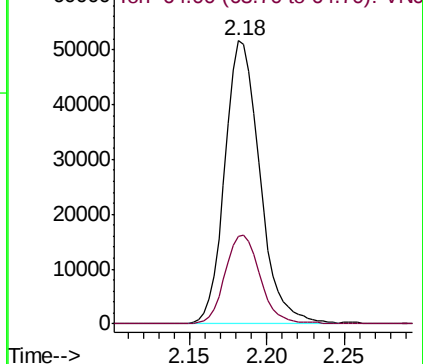
62 100

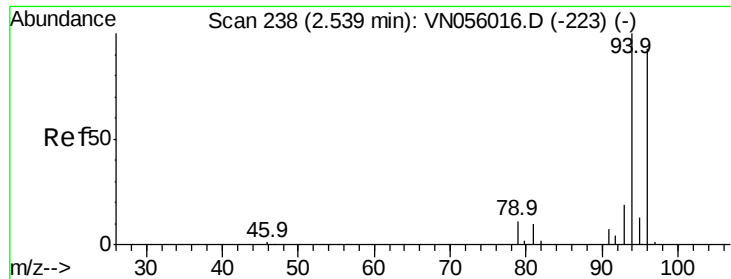
64 30.9 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 64.00 (63.70 to 64.70): VNC





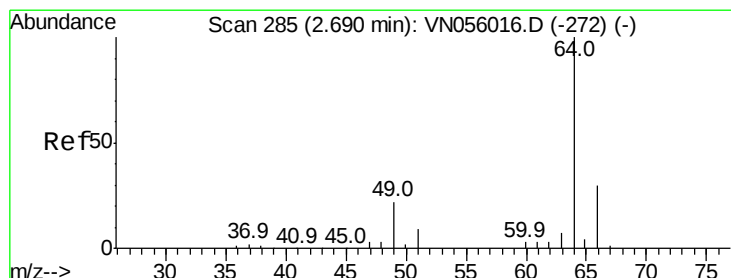
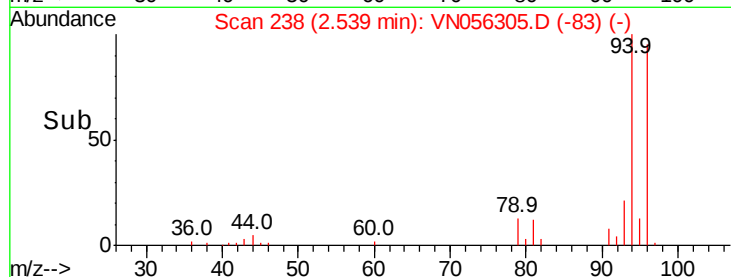
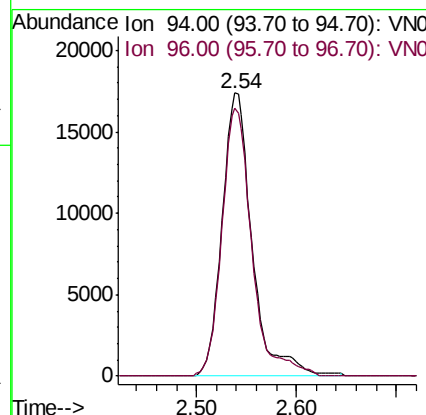
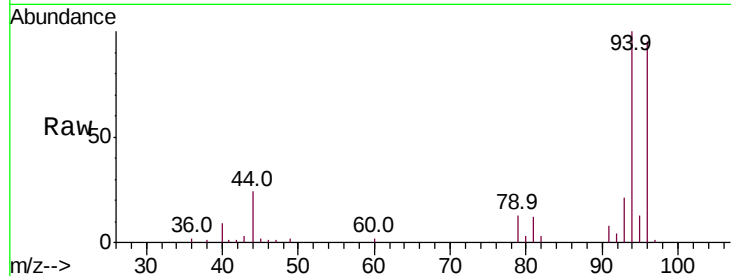
#5
Bromomethane
Concen: 14.881 ug/l m
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion: 94 Resp: 36459
Ion Ratio Lower Upper
94 100
96 94.7 74.1 111.1

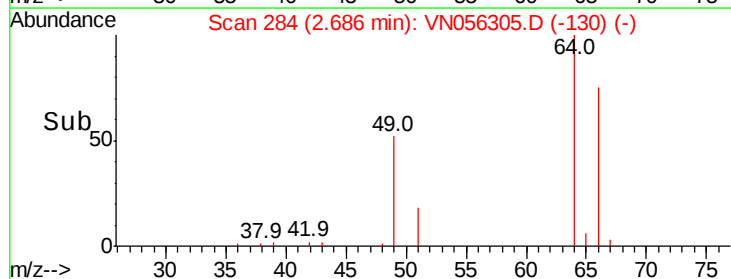
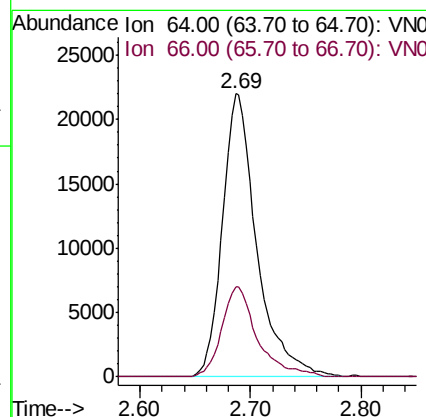
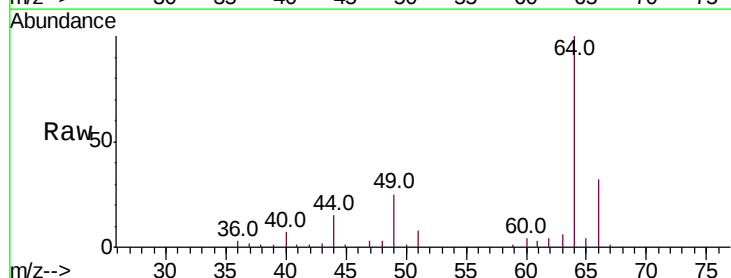
Manual Integrations
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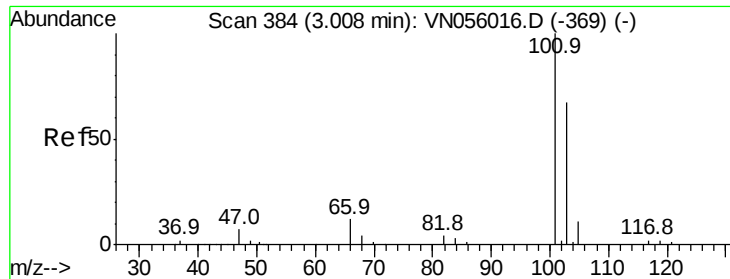
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#6
Chloroethane
Concen: 21.528 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion: 64 Resp: 47472
Ion Ratio Lower Upper
64 100
66 31.9 23.7 35.5





#7

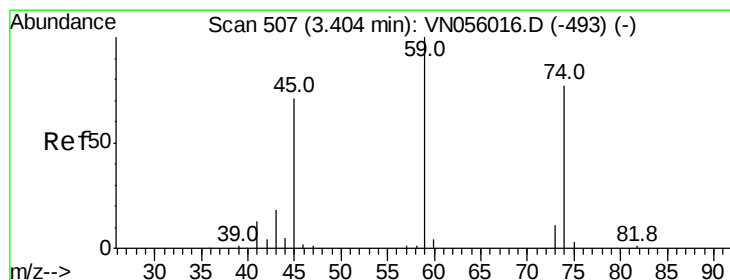
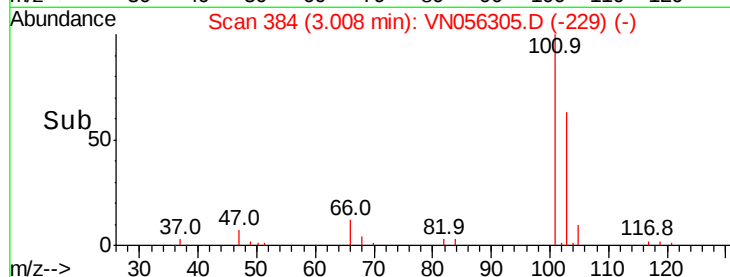
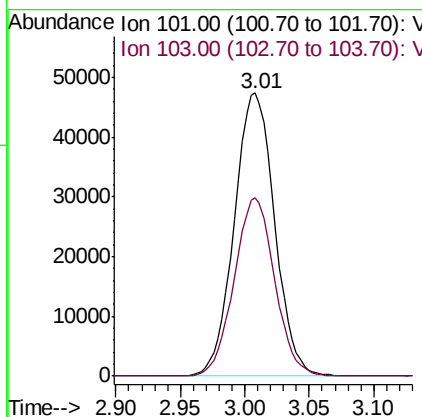
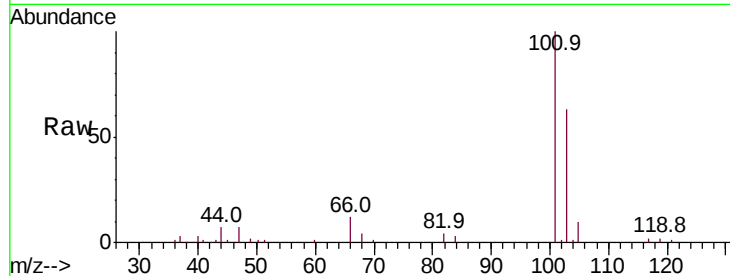
Trichlorofluoromethane
Concen: 21.389 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.4	80.0

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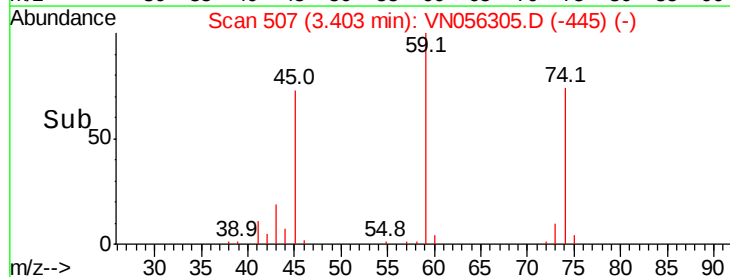
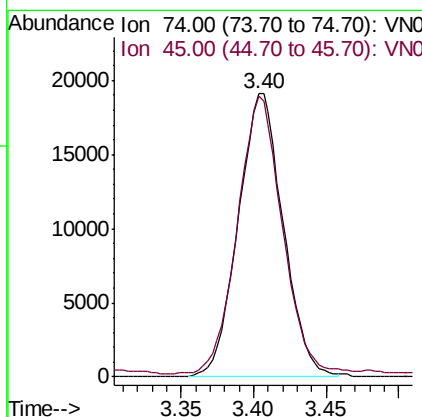
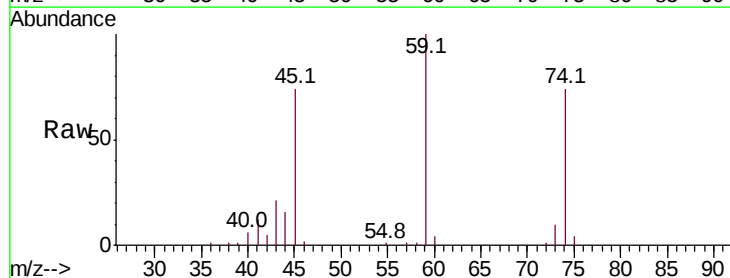
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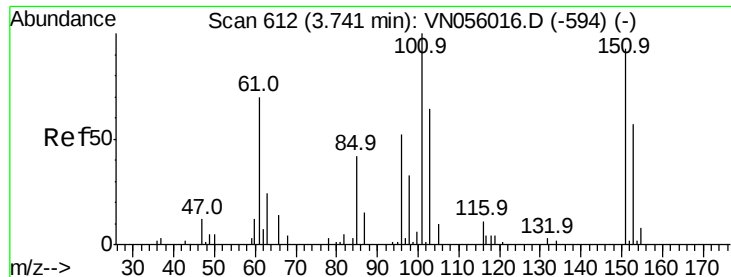


#8

Diethyl Ether
Concen: 20.159 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	18.8	169.6





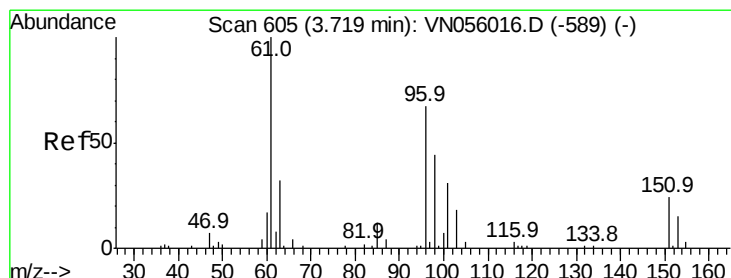
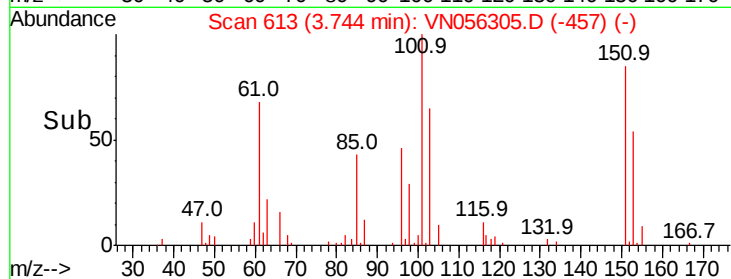
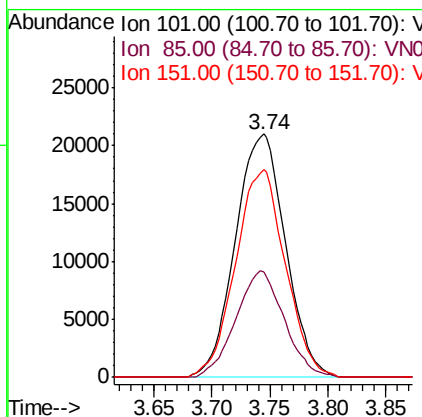
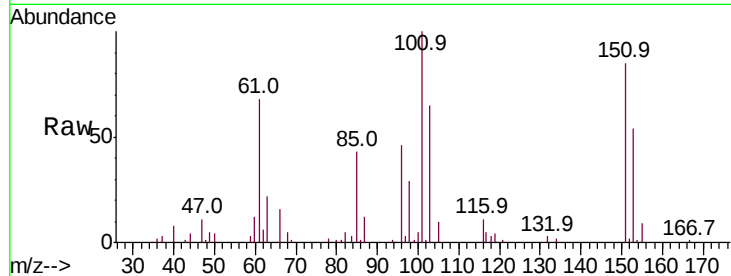
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.210 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion:	101	Resp:	63152
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	82.0
151	84.9	0.0	177.0

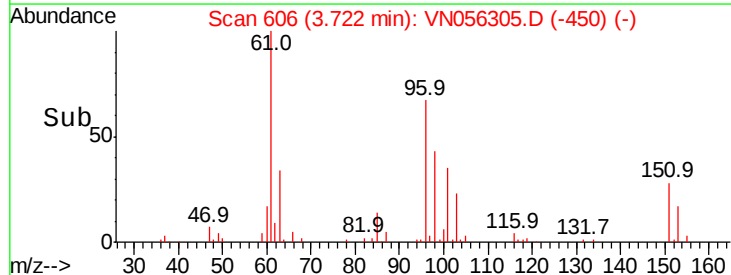
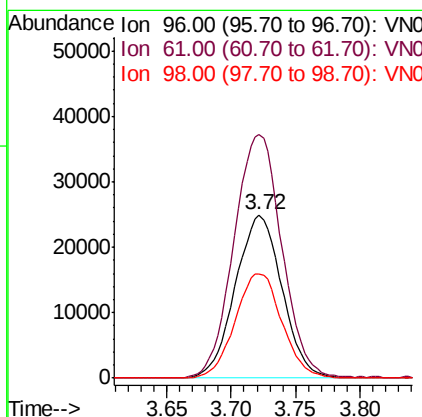
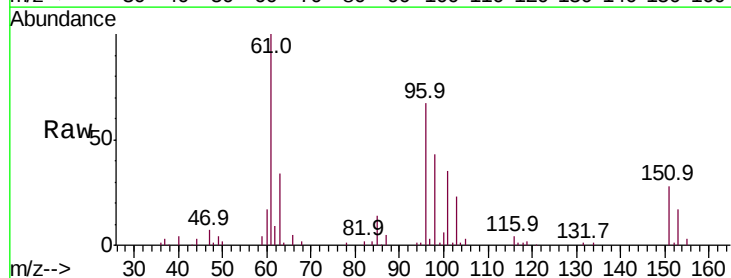
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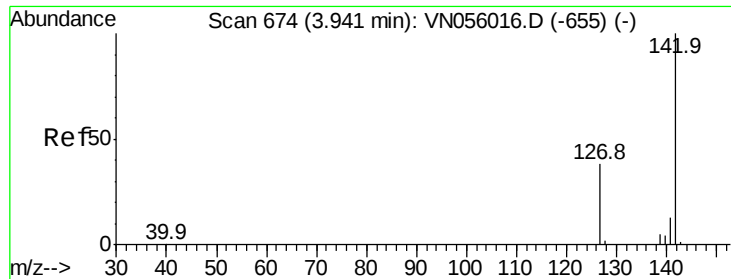
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#10
 1,1-Dichloroethene
 Concen: 20.685 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion:	96	Resp:	62829
Ion Ratio	Lower	Upper	
96	100		
61	148.3	119.7	179.5
98	63.9	52.3	78.5





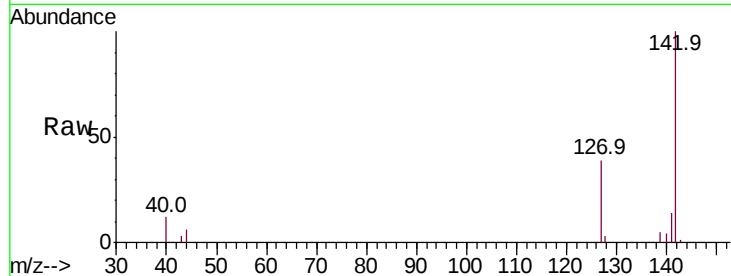
#11
Methvl Iodide
Concen: 8.195 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

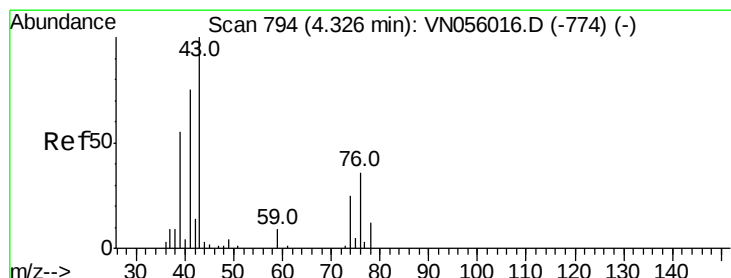
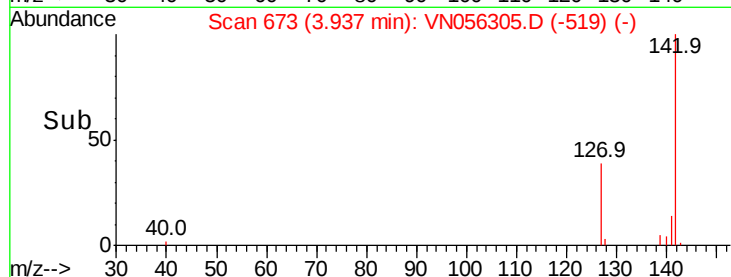
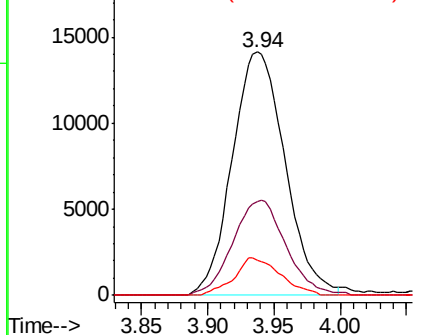
Tot Ion	Ratio	Lower	Upper
142	100		
127	38.8	19.0	57.0
141	14.6	6.7	20.0

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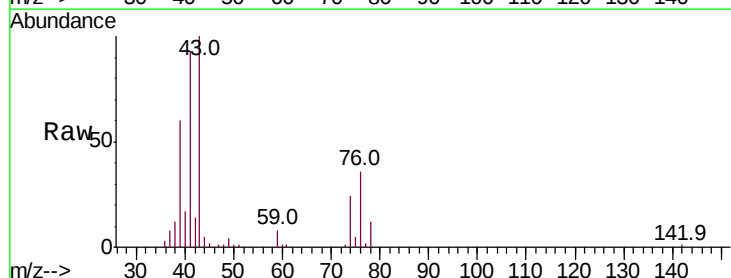


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

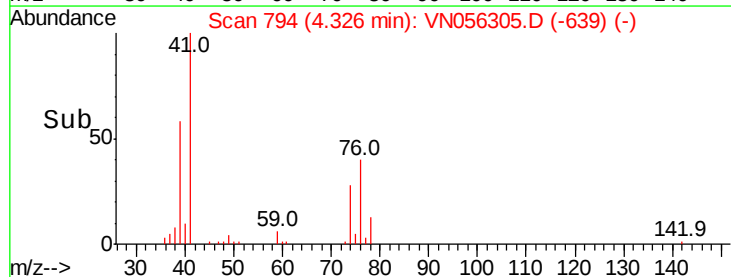
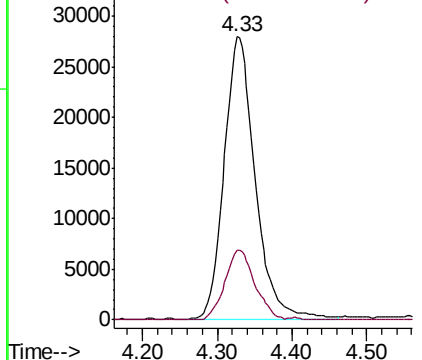


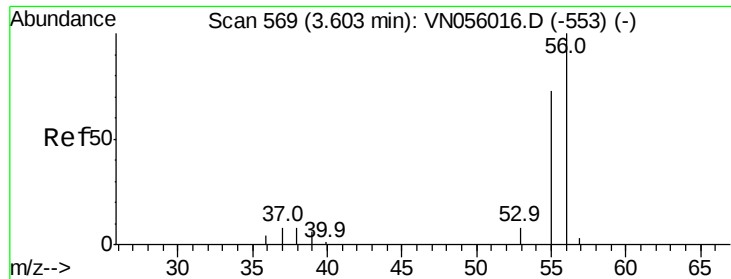
#12
Methyl Acetate
Concen: 22.173 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.9	29.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 105.554 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 56 Resp: 18778

Ion Ratio Lower Upper

56 100

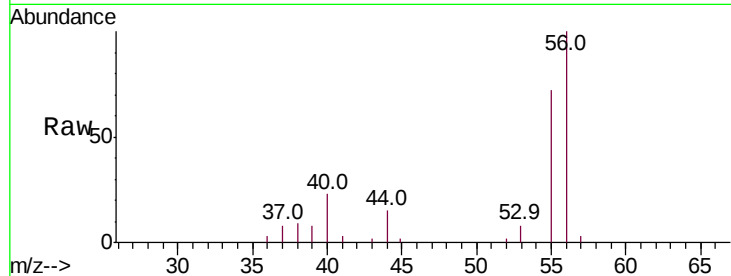
55 70.3 57.9 86.9

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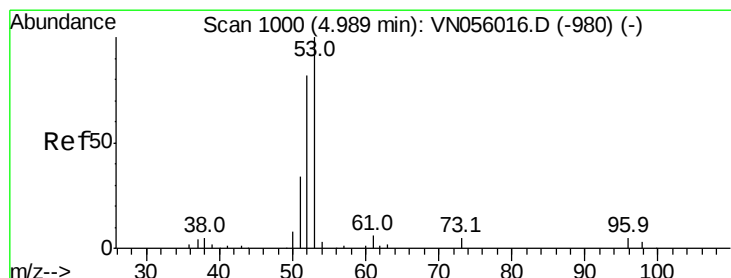
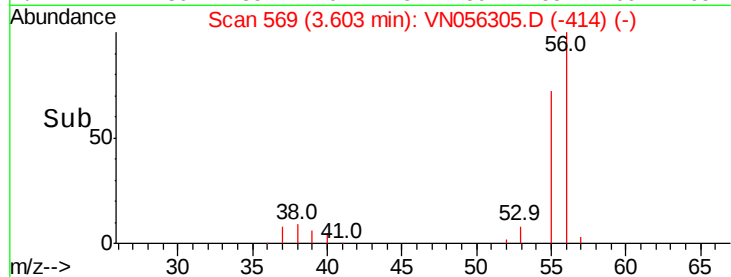
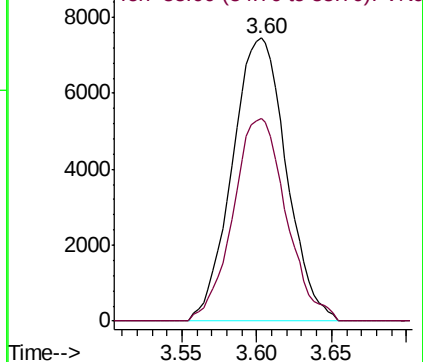
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 107.530 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

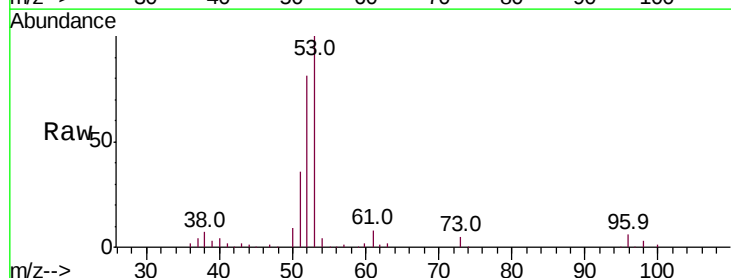
Tgt Ion: 53 Resp: 175024

Ion Ratio Lower Upper

53 100

52 83.3 40.8 122.2

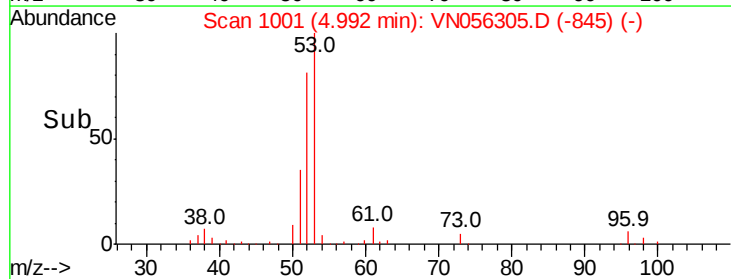
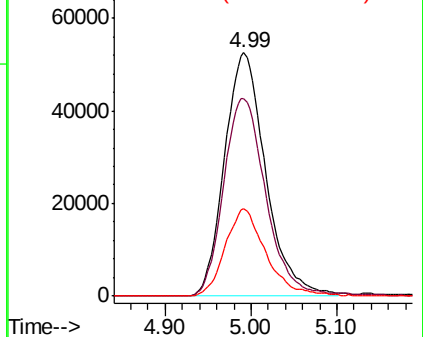
51 35.5 17.3 52.0

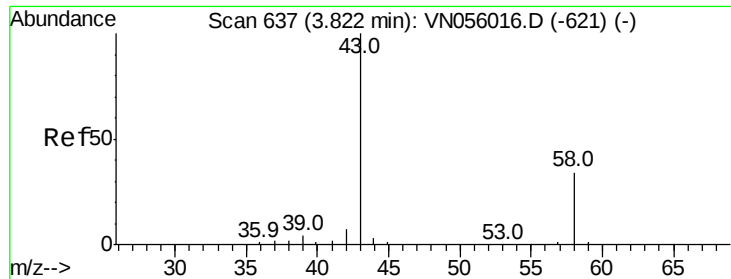


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 103.243 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 58 Resp: 55023

Ion Ratio Lower Upper

58 100

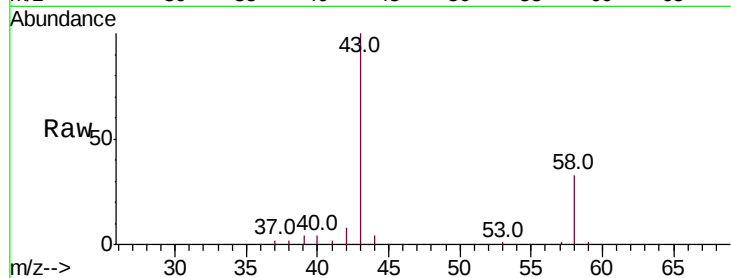
43 304.4 232.5 348.7

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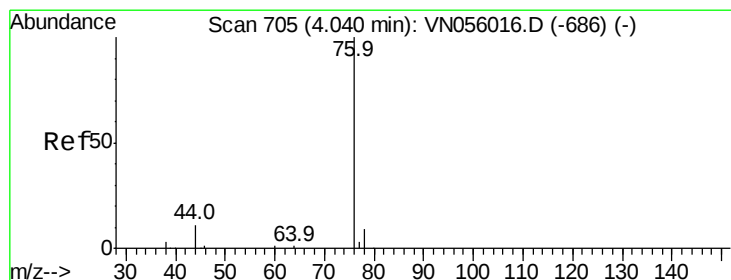
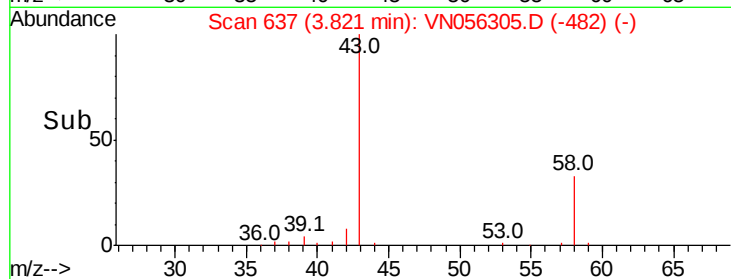
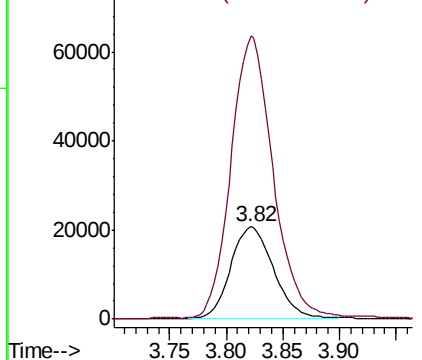
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 21.103 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056305.D

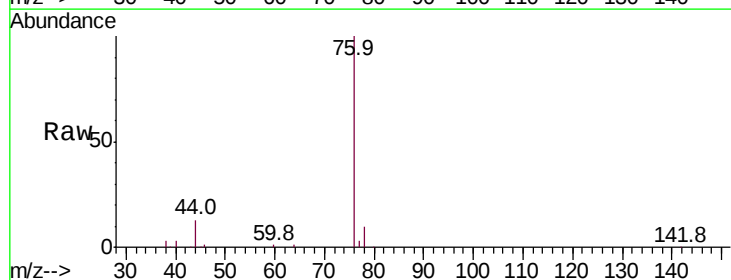
Acq: 14 Jun 2019 11:25

Tgt Ion: 76 Resp: 152510

Ion Ratio Lower Upper

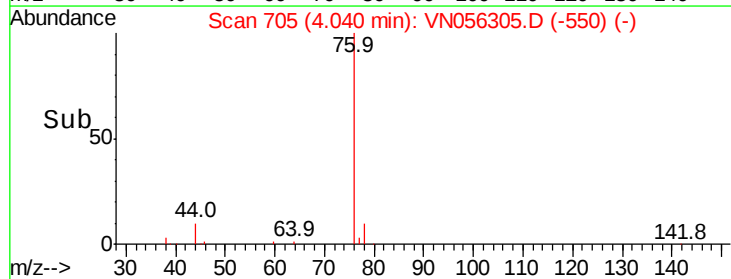
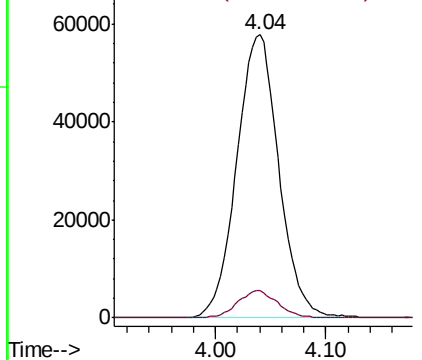
76 100

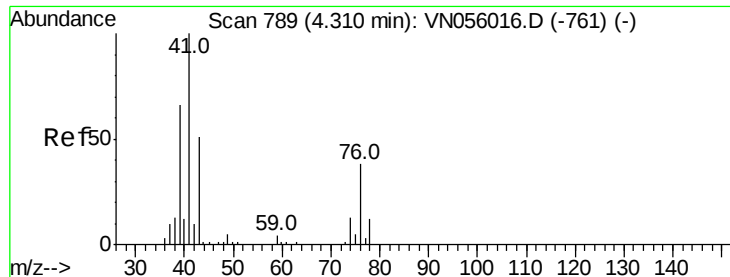
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 21.806 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

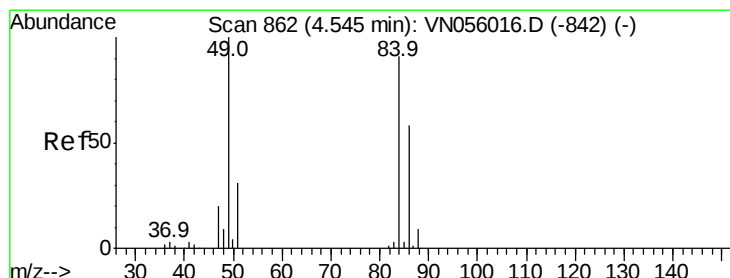
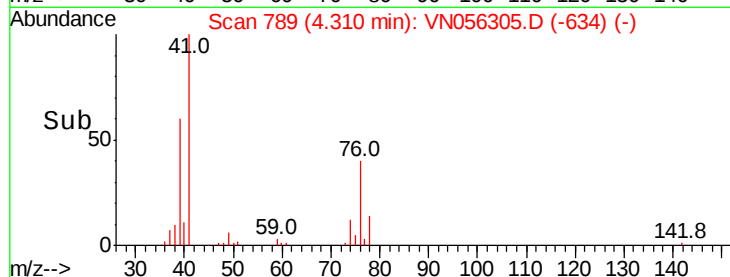
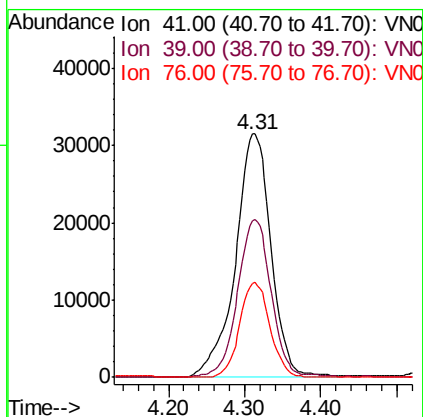
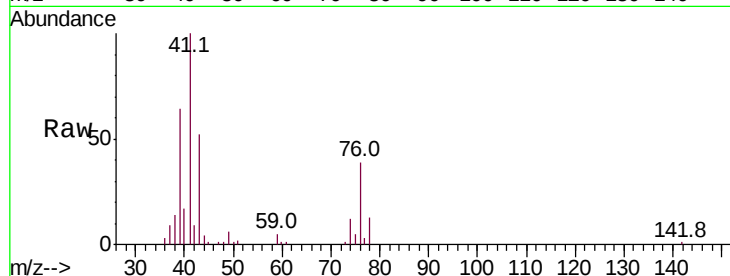
ClientSampleId :

VN0614WBSD01

Tot Ion:	41	Resp:	102622
Ion	Ratio	Lower	Upper
41	100		
39	64.4	33.0	99.0
76	38.7	18.9	56.9

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#18

Methylene Chloride

Concen: 21.181 ug/l

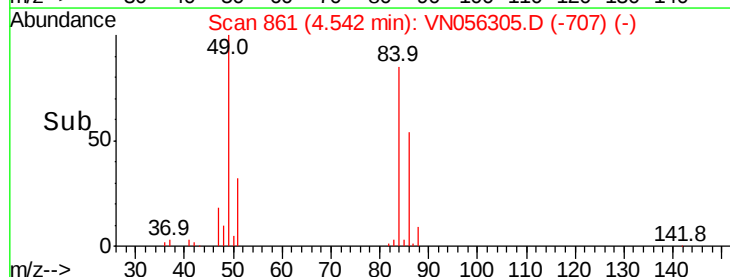
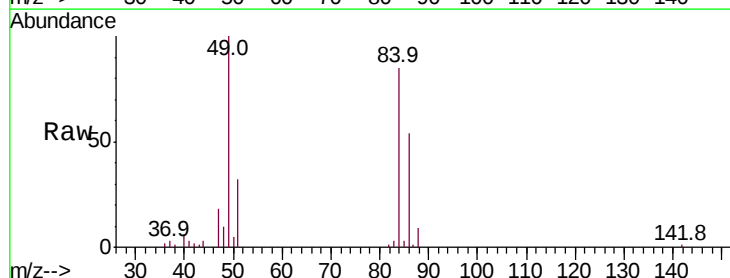
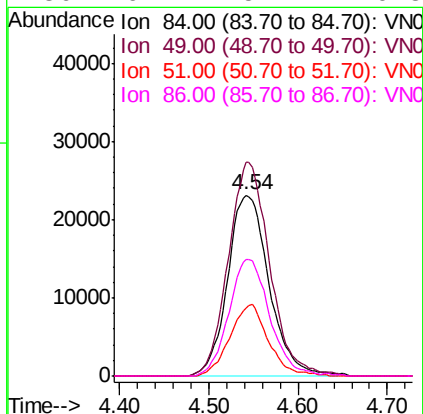
RT: 4.54 min Scan# 861

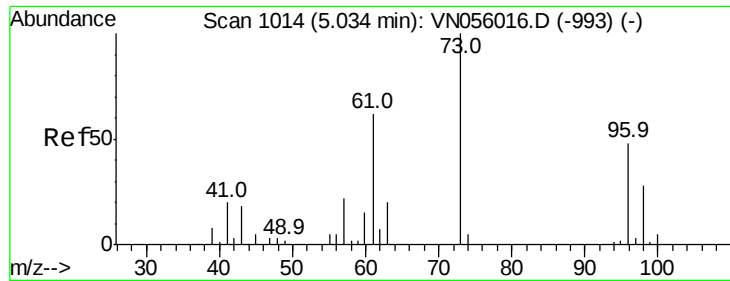
Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Tgt Ion:	84	Resp:	74478
Ion	Ratio	Lower	Upper
84	100		
49	118.1	87.6	131.4
51	37.8	27.0	40.4
86	64.2	51.2	76.8





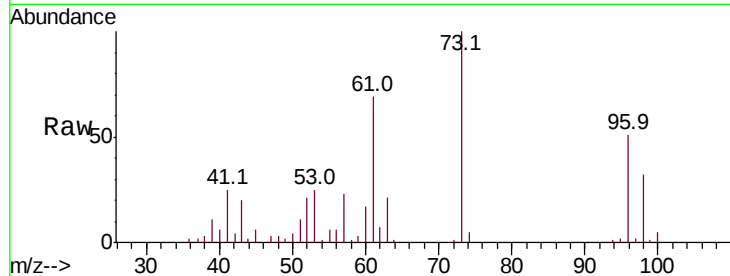
#19
trans-1,2-Dichloroethene
Concen: 20.713 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	102.5	153.7
98	61.7	46.9	70.3

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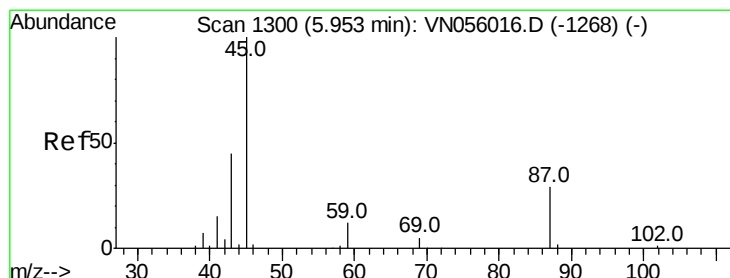
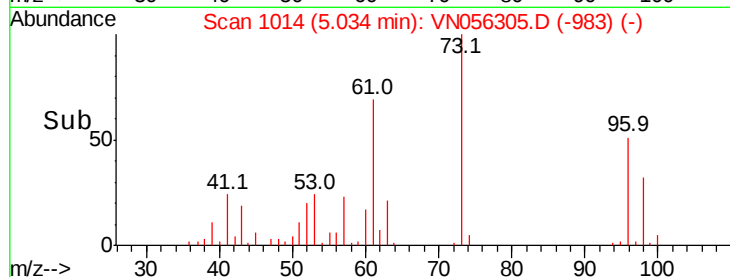
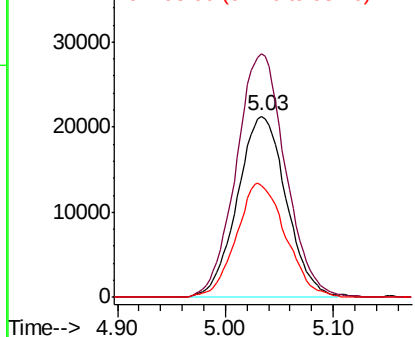


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 21.544 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	48.0	72.0
87	28.7	23.4	35.2
59	11.5	9.2	13.8

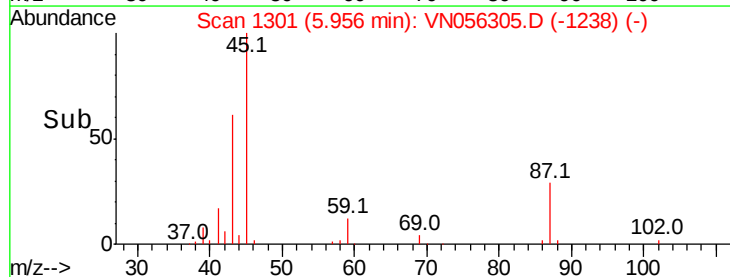
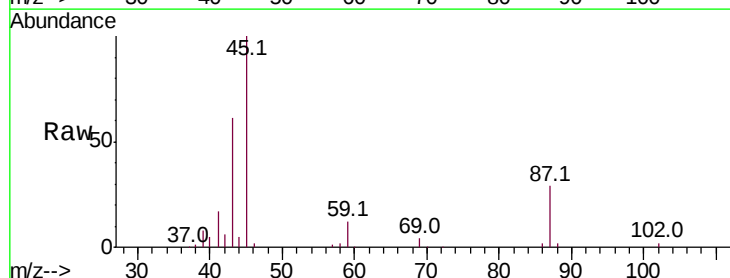
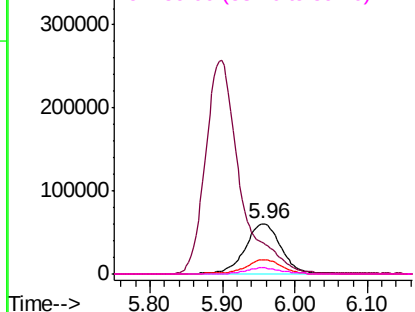
Abundance

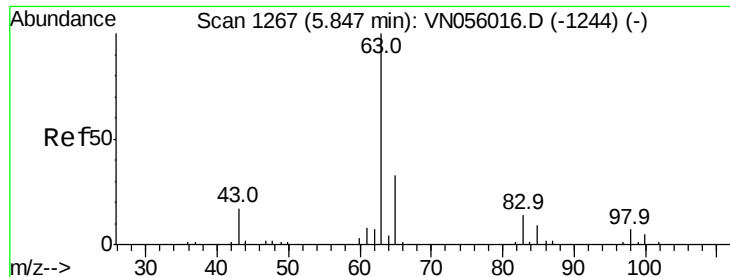
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





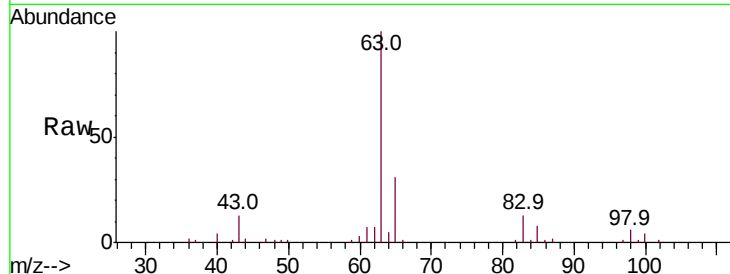
#21
1,1-Dichloroethane
Concen: 21.578 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	122269		
98	6.1	3.5	10.5	
100	4.0	2.3	6.9	

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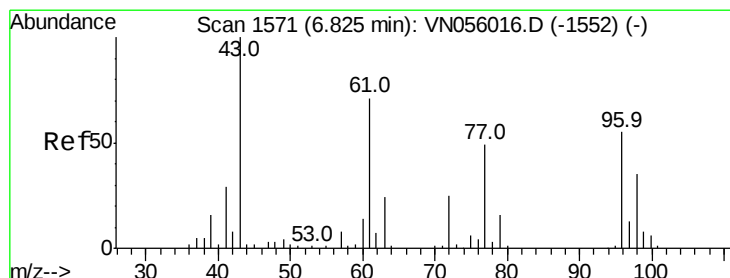
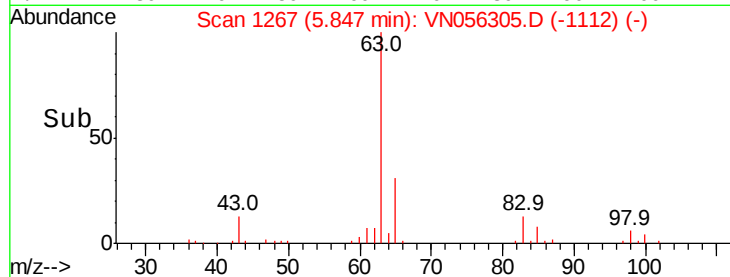
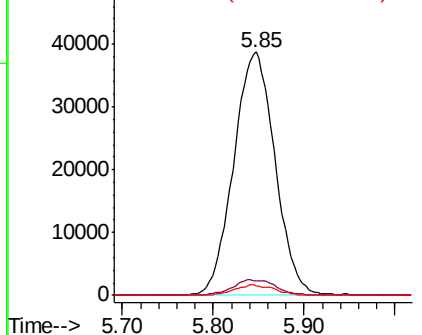


Abundance

Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22
cis-1,2-Dichloroethene
Concen: 20.538 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

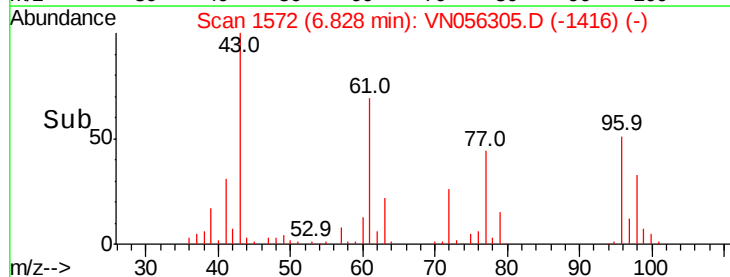
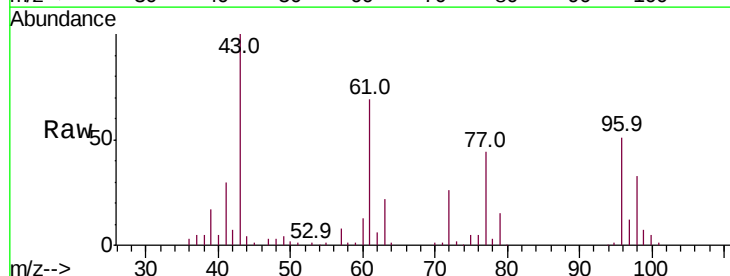
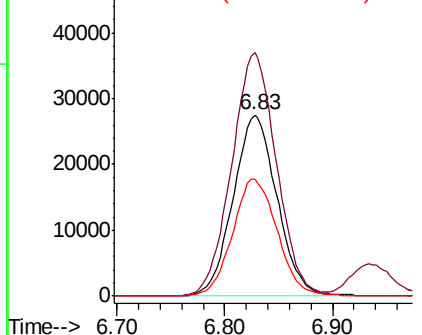
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77718		
61	137.2	105.7	158.5	
98	65.8	52.0	78.0	

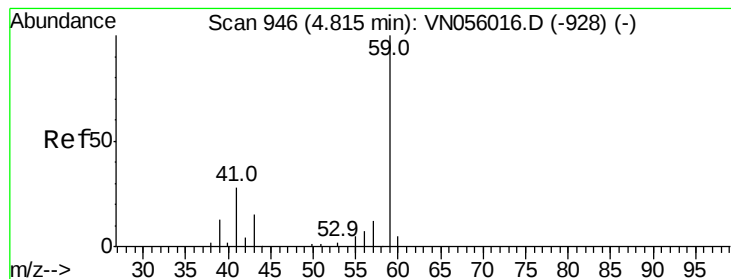
Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

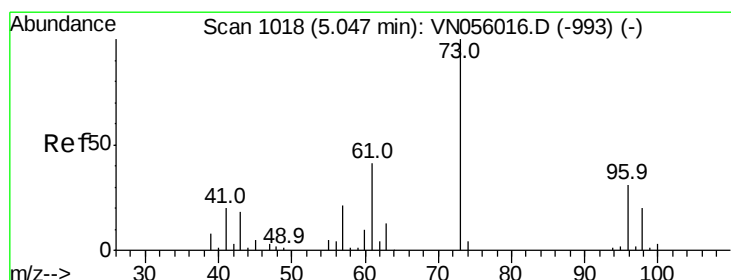
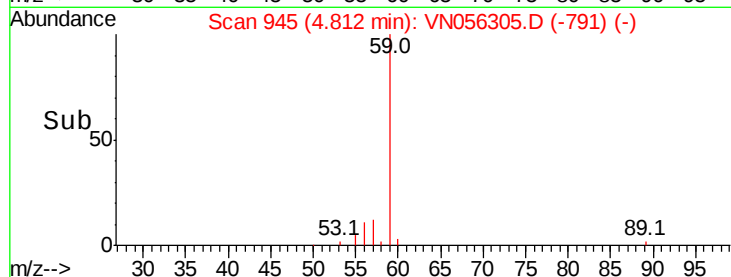
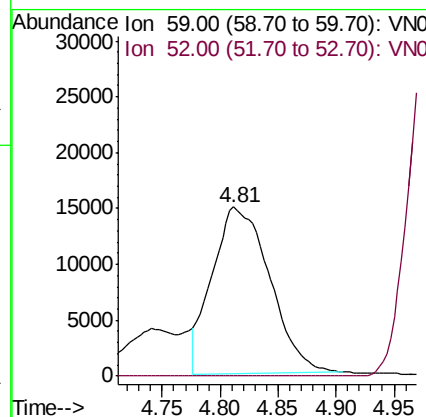
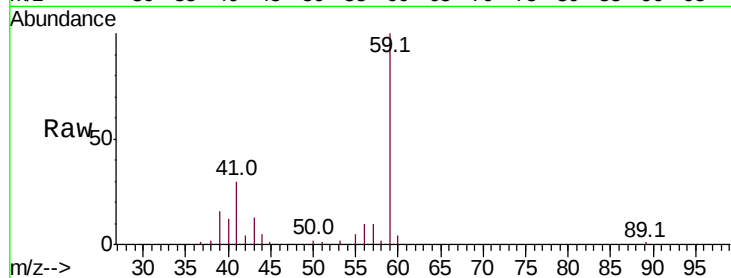
tert-Butyl Alcohol
Concen: 81.290 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

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

Manual Integrations
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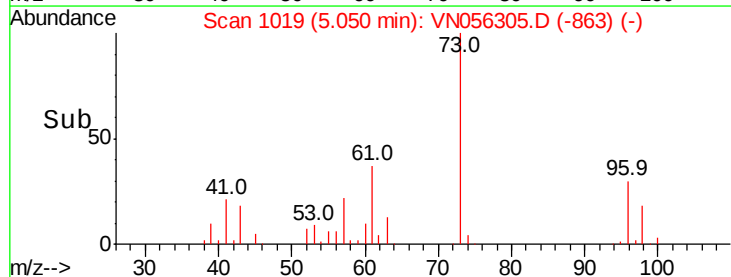
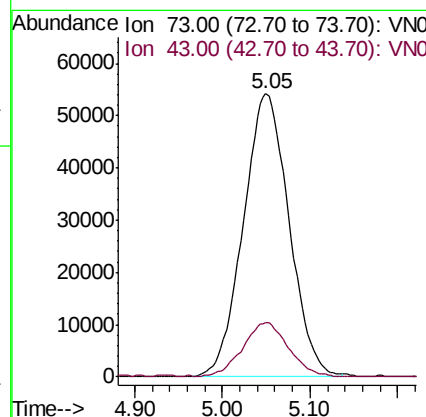
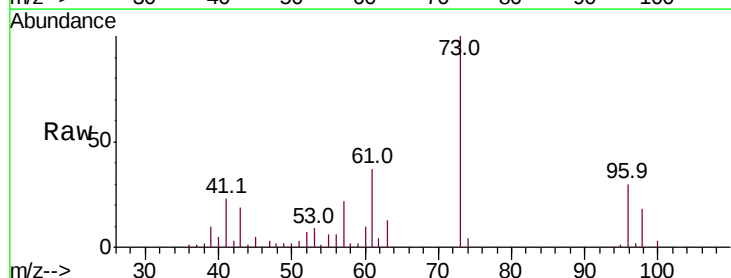
MMDadoda
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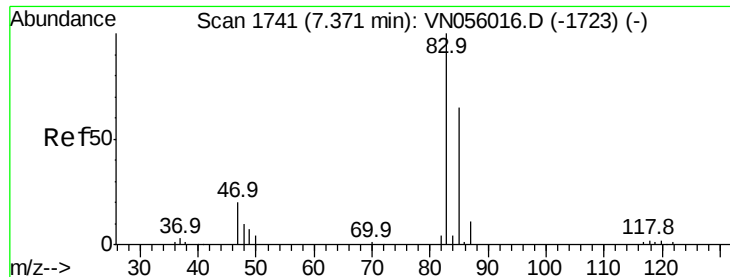


#24

Methyl tert-Butyl Ether
Concen: 20.338 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	19.4	15.4	23.0	





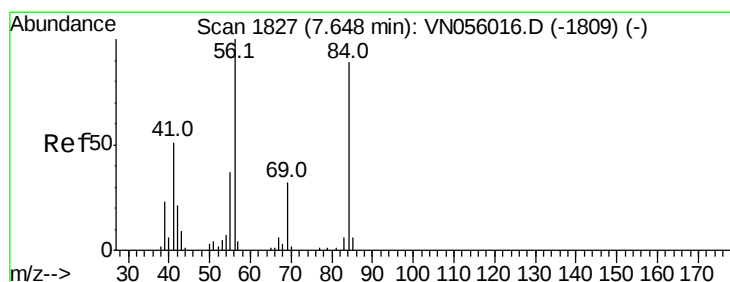
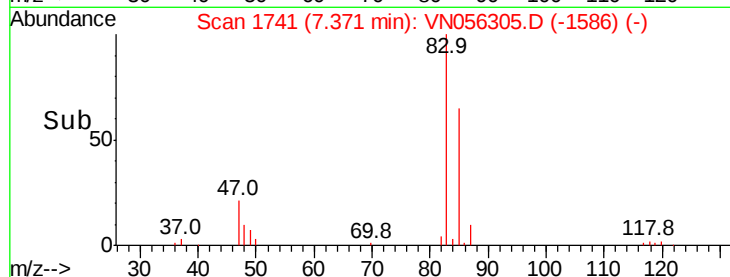
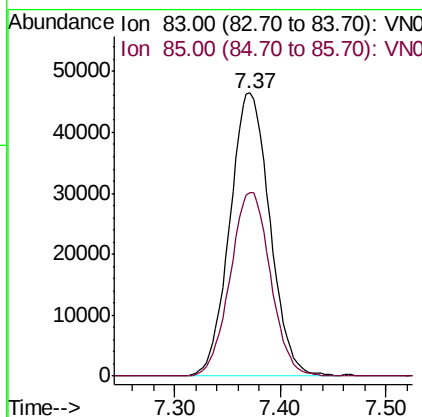
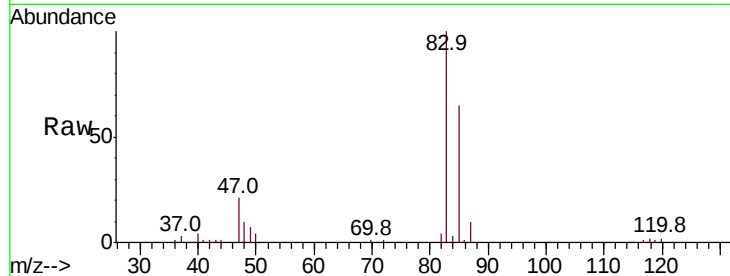
#25
Chloroform
Concen: 21.623 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampled :
VN0614WBSD01

Tot Ion: 83 Resp: 122350
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0

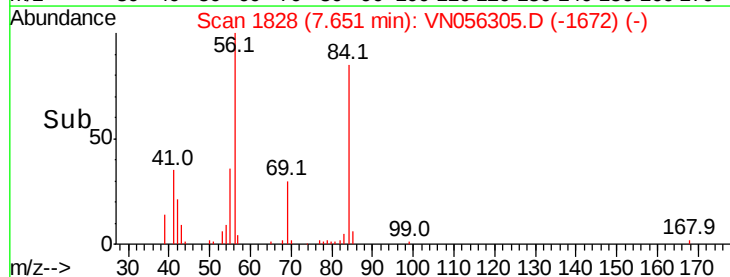
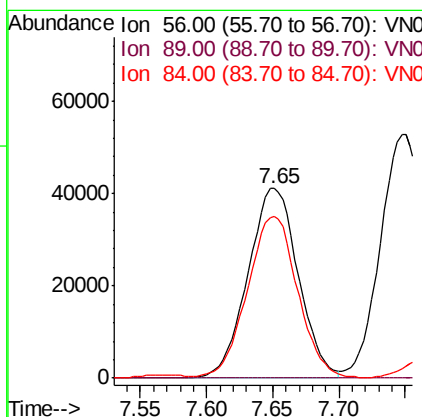
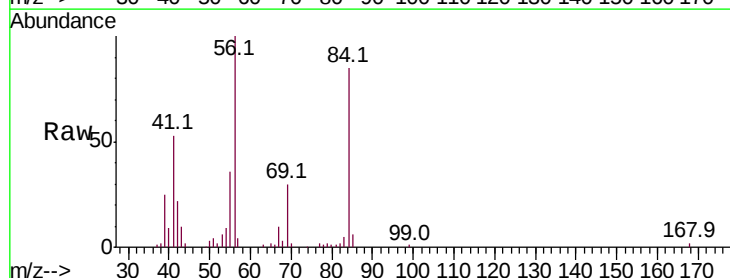
Manual Integrations
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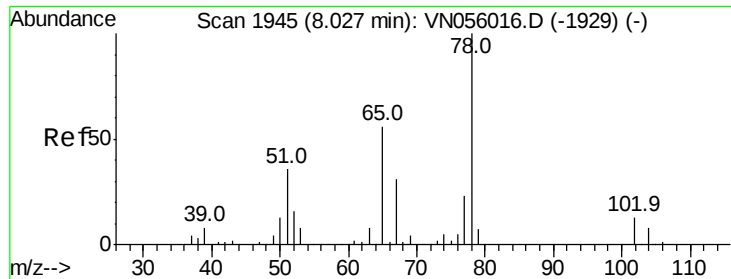
MMDadoda
6/17/2019 9:45:52 AM



#26
Cyclohexane
Concen: 20.719 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion: 56 Resp: 108921
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.4 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 32.530 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 65 Resp: 117544

Ion Ratio Lower Upper

65 100

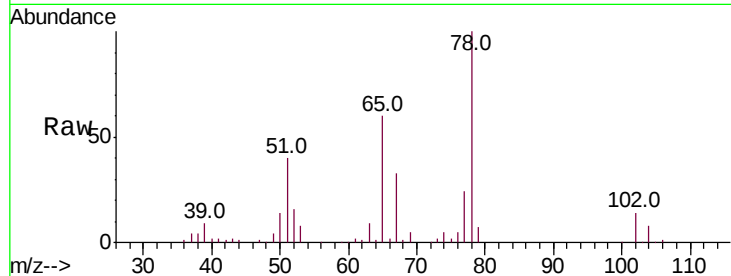
67 55.4 43.4 65.2

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Abundance Ion 65.00 (64.70 to 65.70): VN056016.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN056016.D (-1929) (-)

8.03

50000

40000

30000

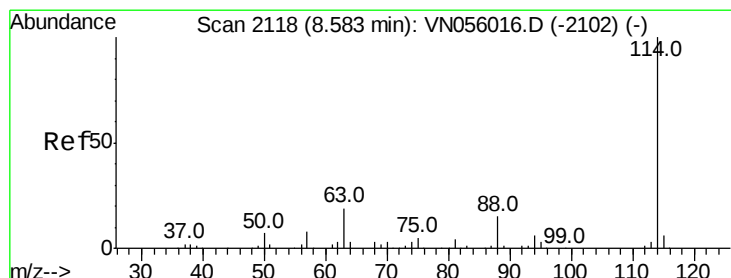
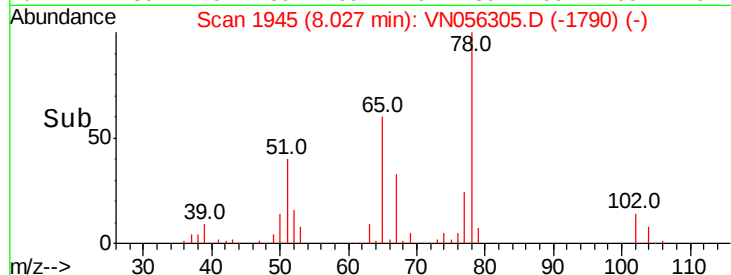
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

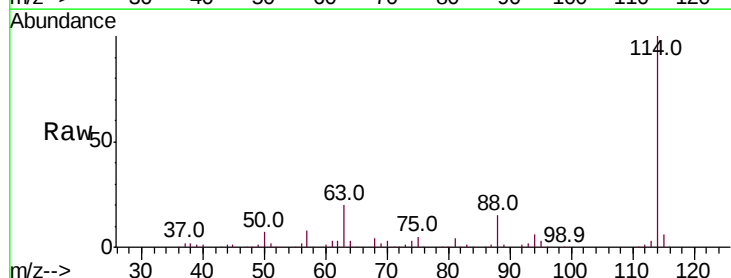
Tgt Ion:114 Resp: 309531

Ion Ratio Lower Upper

114 100

63 19.5 14.7 22.1

88 15.1 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): VN056016.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN056016.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN056016.D (-2102) (-)

8.59

200000

150000

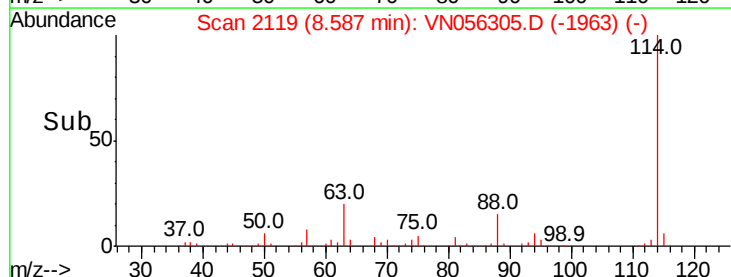
100000

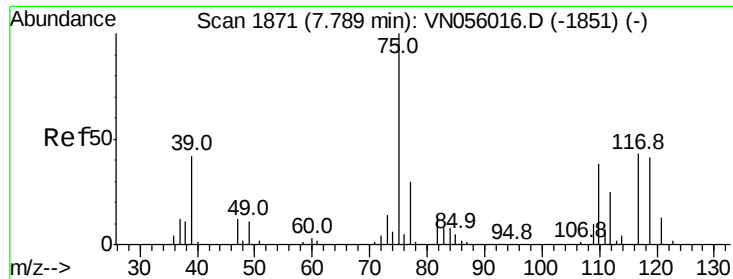
50000

0

8.50 8.60 8.70

Time-->





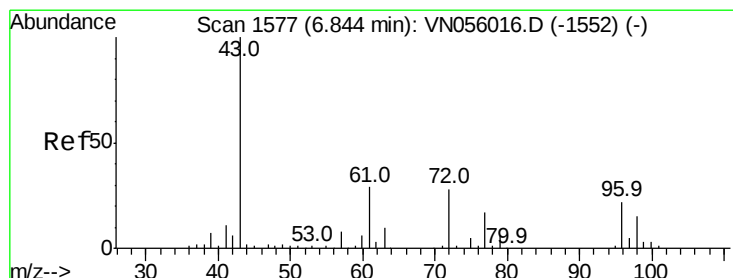
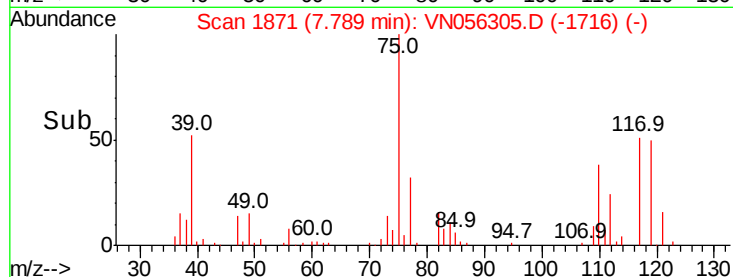
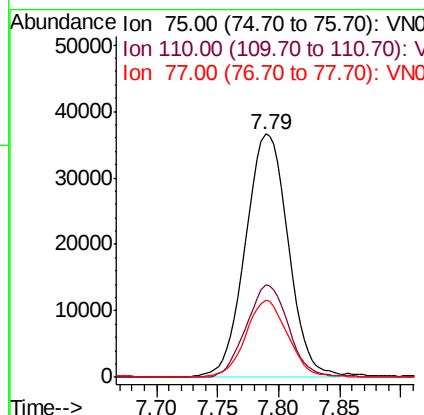
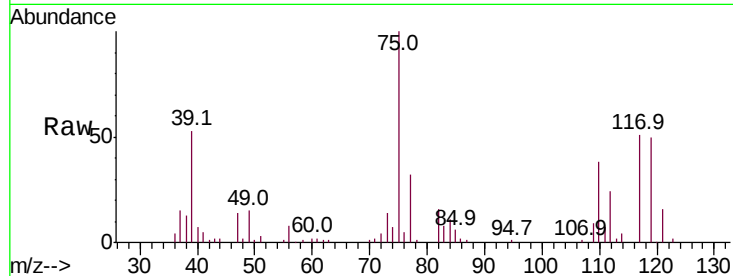
#29
 1,1-Dichloropropene
 Concen: 21.314 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	0.0	77.0
77	31.1	0.0	62.4

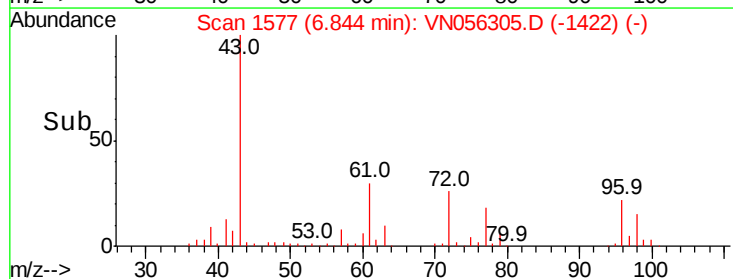
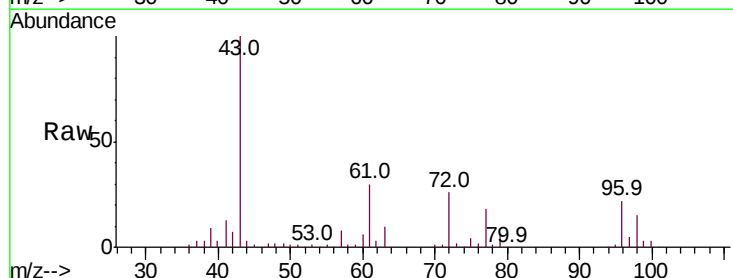
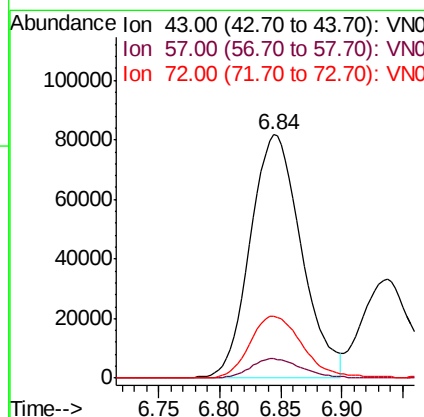
Manual Integrations
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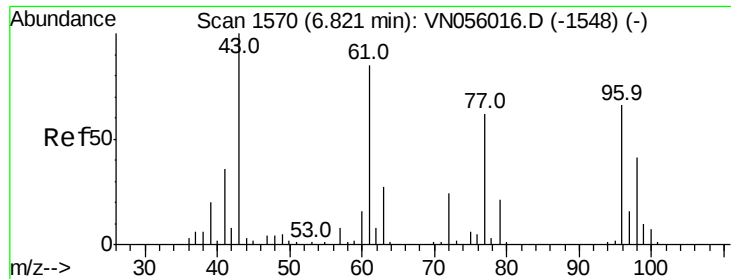
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#30
 2-Butanone
 Concen: 106.751 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.7	10.1
72	26.8	22.4	33.6





#31

2,2-Dichloropropane

Concen: 20.405 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 77 Resp: 79476

Ion Ratio Lower Upper

77 100

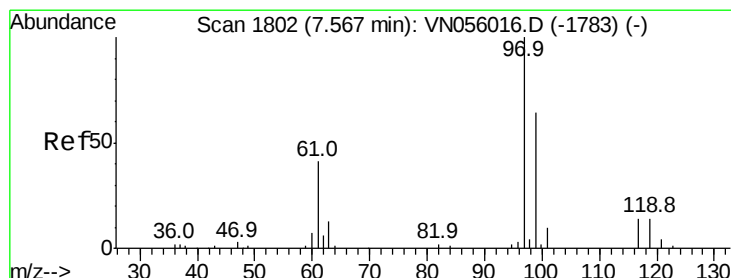
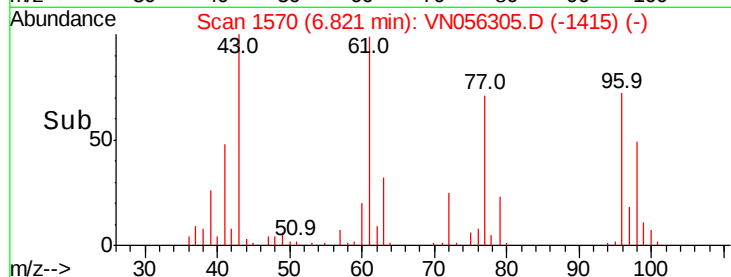
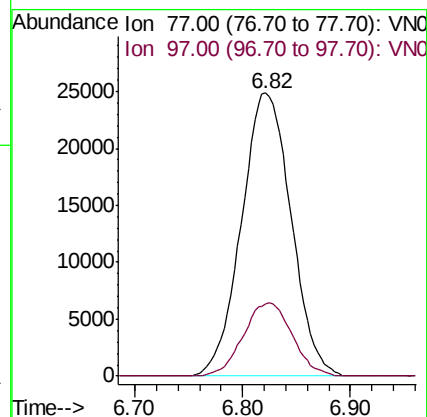
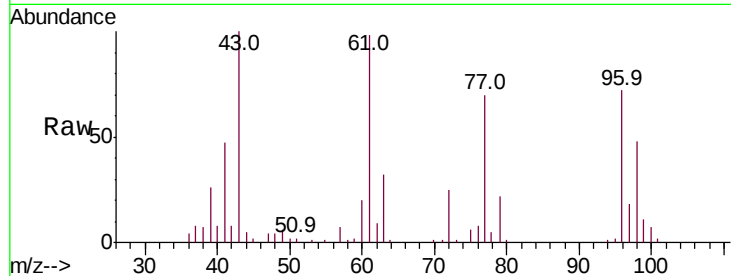
97 25.5 20.8 31.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.691 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

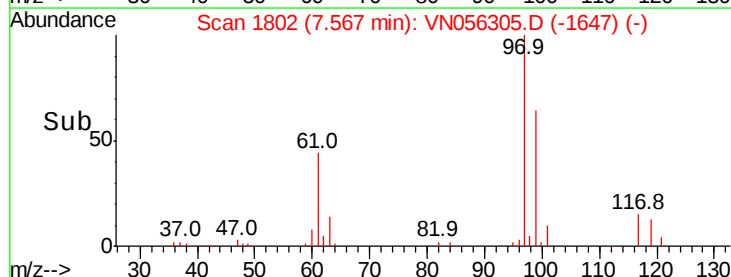
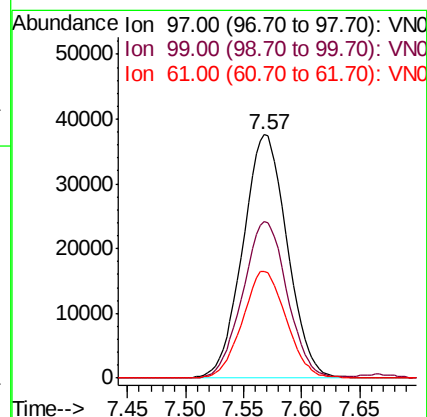
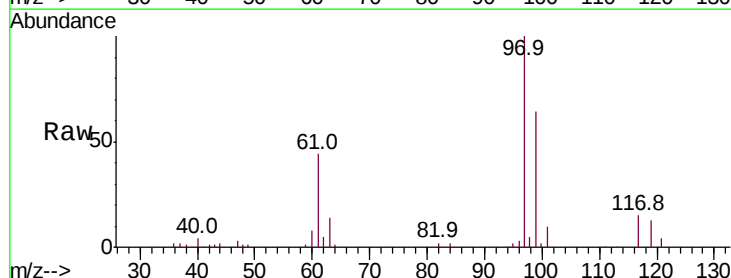
Tgt Ion: 97 Resp: 100343

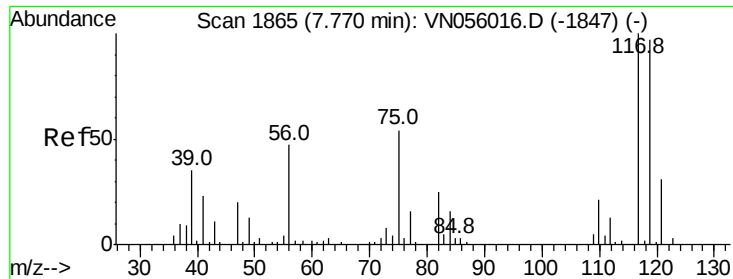
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 43.2 32.9 49.3





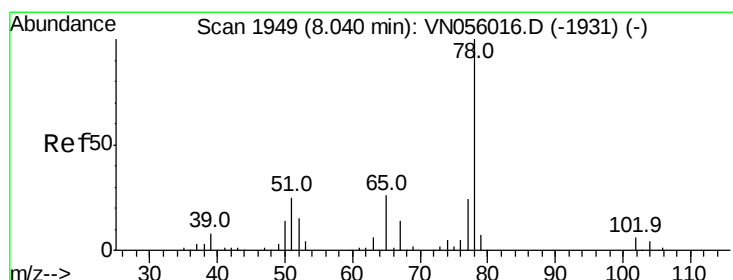
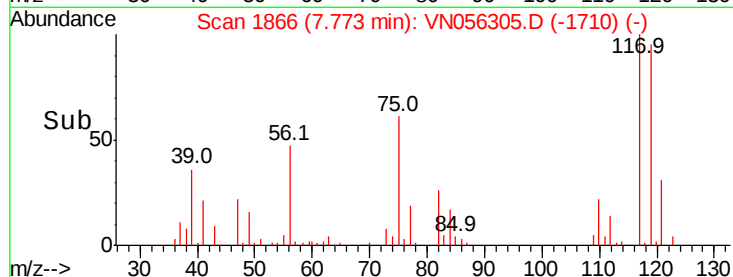
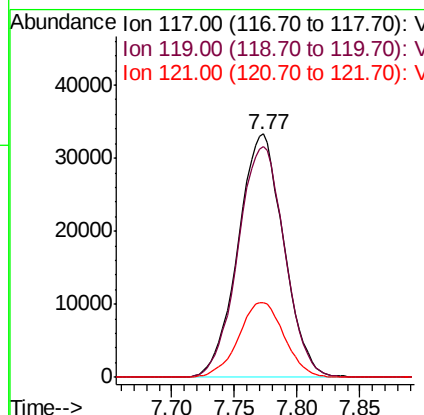
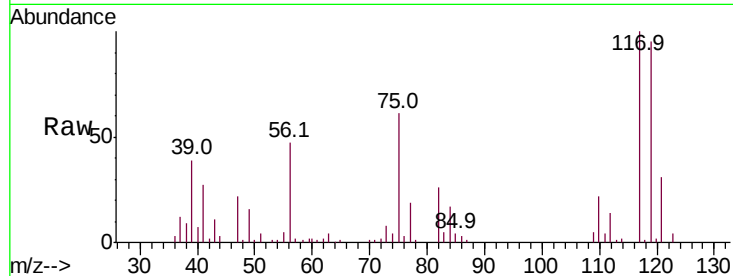
#33
Carbon Tetrachloride
Concen: 21.511 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.3	115.9
121	30.8	25.0	37.4

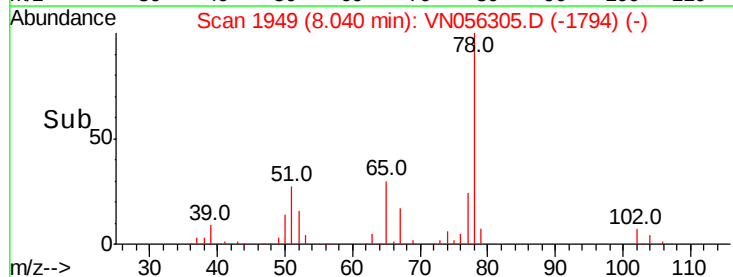
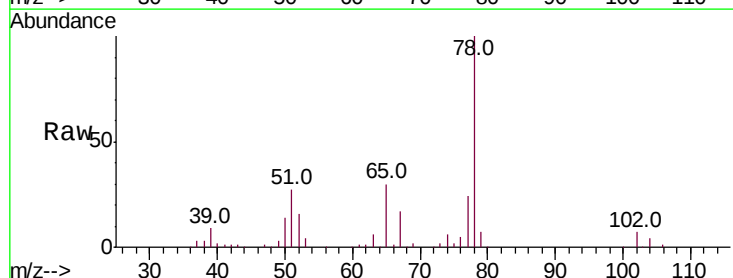
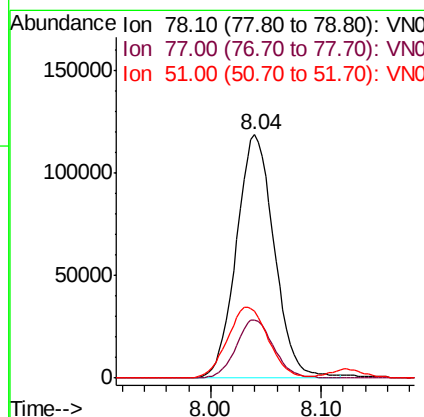
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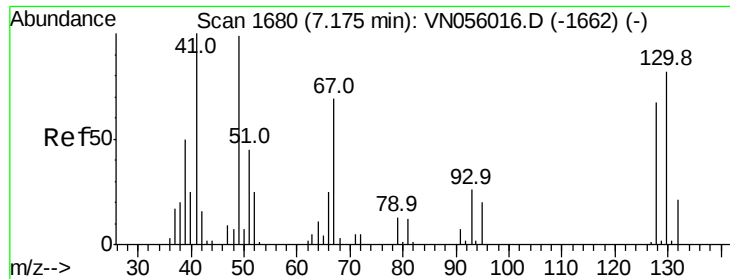
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6/17/2019 9:45:52 AM



#34
Benzene
Concen: 21.156 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9
51	27.1	19.8	29.8





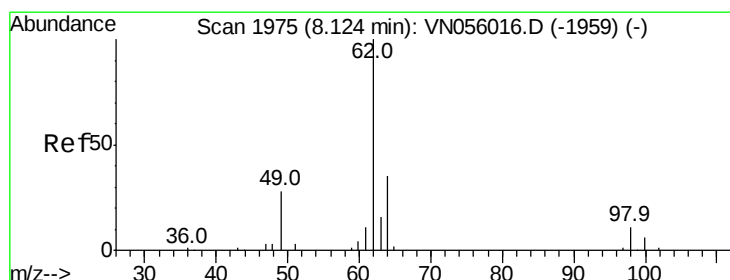
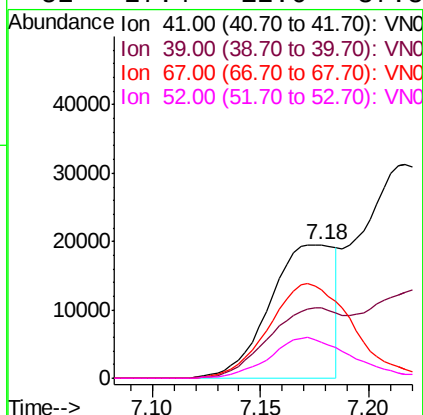
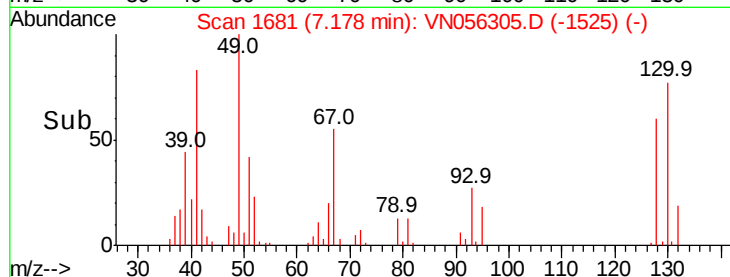
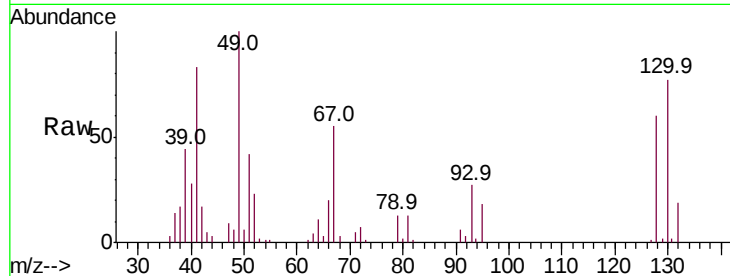
#35
Methacrylonitrile
Concen: 21.925 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion: 41 Resp: 40809
Ion Ratio Lower Upper
41 100
39 52.8 24.8 74.3
67 66.1 34.3 102.9
52 27.4 12.6 37.8

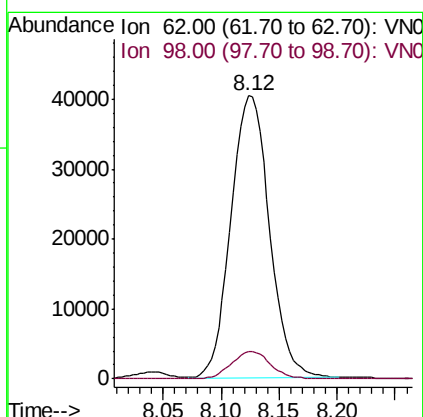
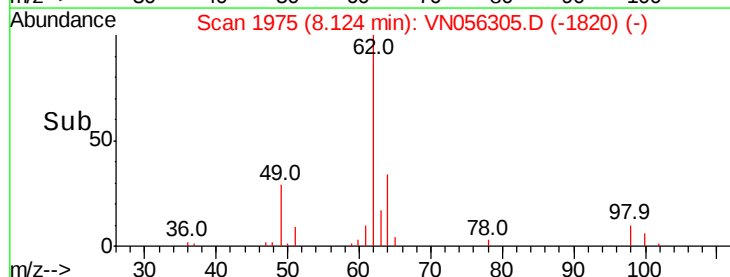
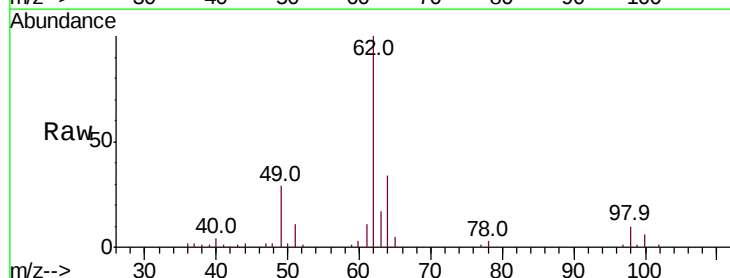
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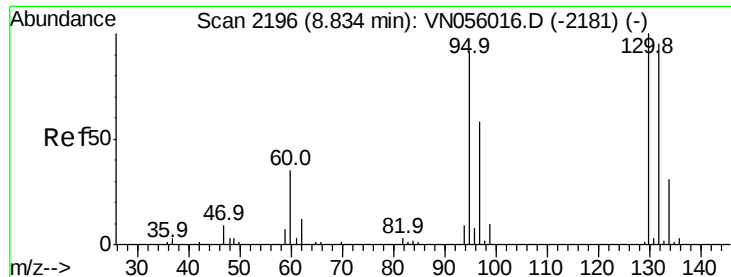
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#36
1,2-Dichloroethane
Concen: 22.358 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion: 62 Resp: 93425
Ion Ratio Lower Upper
62 100
98 9.7 8.6 13.0





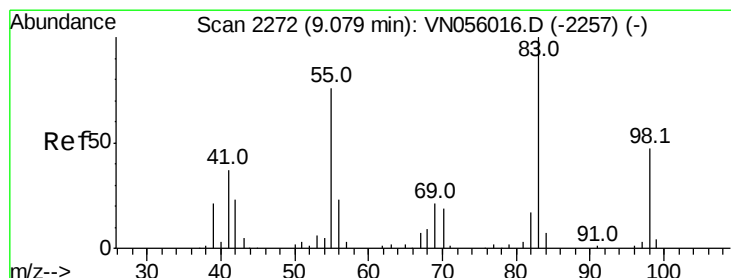
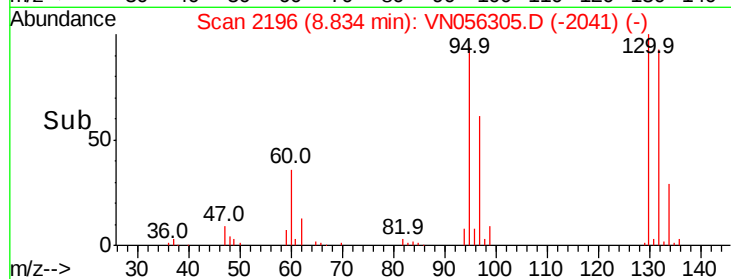
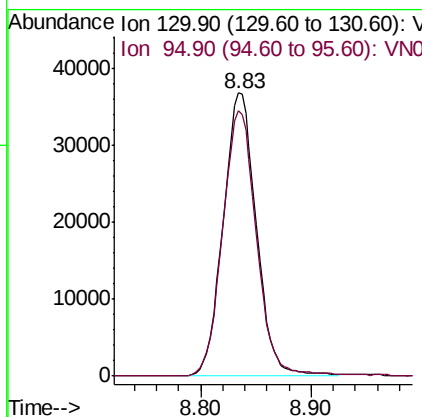
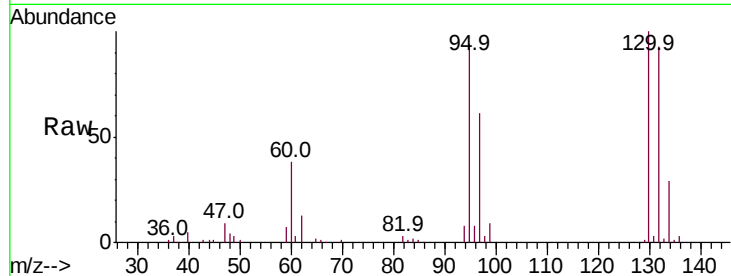
#37
 Trichloroethene
 Concen: 20.536 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion:130 Resp: 76662
 Ion Ratio Lower Upper
 130 100
 95 93.6 73.0 109.6

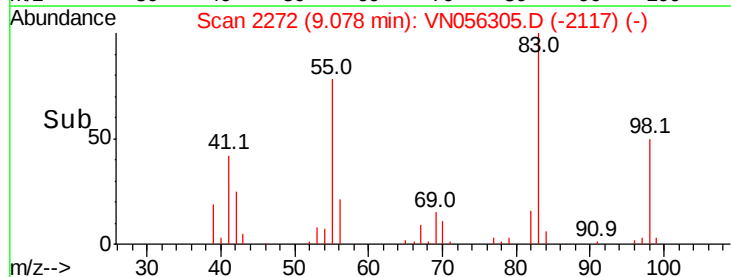
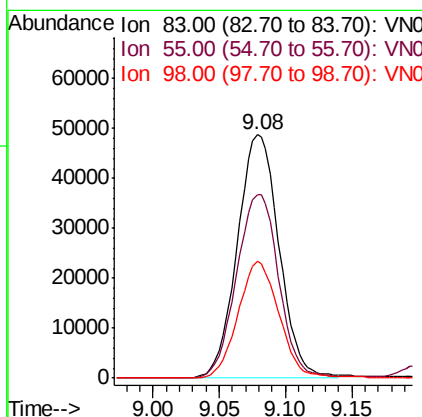
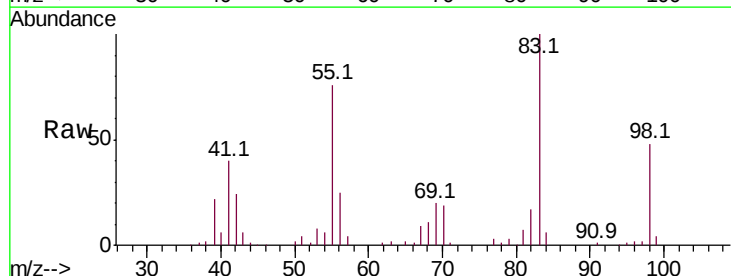
Manual Integrations
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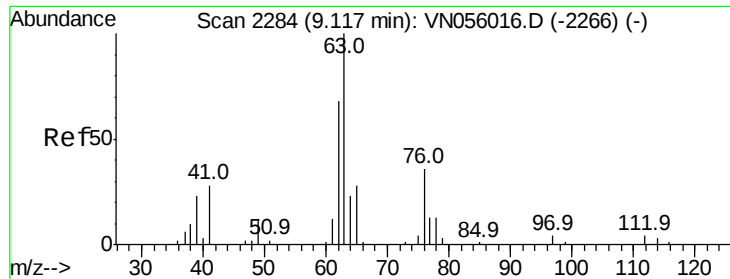
MMDadoda
 6/17/2019 9:45:52 AM



#38
 Methylcyclohexane
 Concen: 20.110 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion: 83 Resp: 106746
 Ion Ratio Lower Upper
 83 100
 55 76.2 37.5 112.7
 98 47.0 23.1 69.3





#39

1,2-Dichloropropane

Concen: 22.080 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 63 Resp: 75439

Ion Ratio Lower Upper

63 100

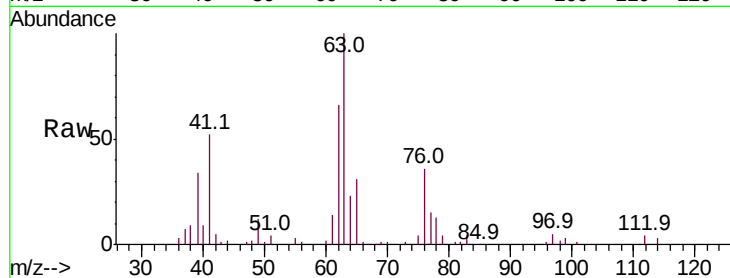
65 31.4 23.1 34.7

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

40000

30000

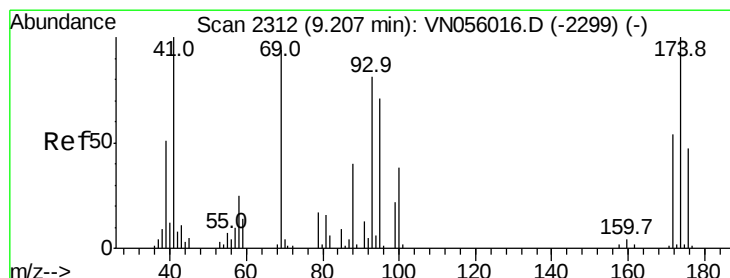
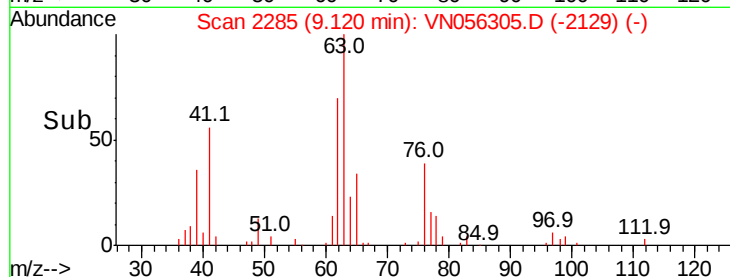
20000

10000

0

9.00 9.05 9.10 9.15 9.20

Time-->



#40

Dibromomethane

Concen: 22.317 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

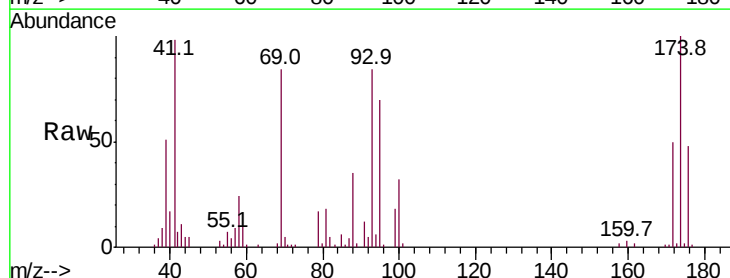
Tgt Ion: 93 Resp: 50557

Ion Ratio Lower Upper

93 100

95 81.8 0.0 169.0

174 113.9 0.0 246.4



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

40000

30000

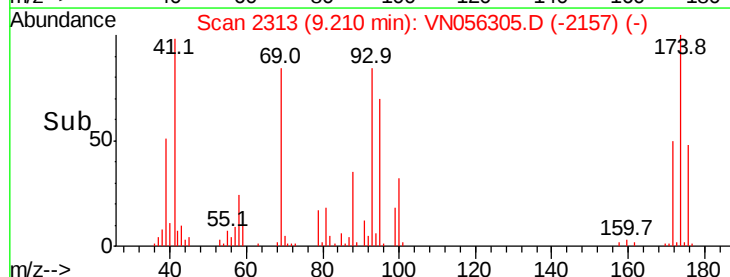
20000

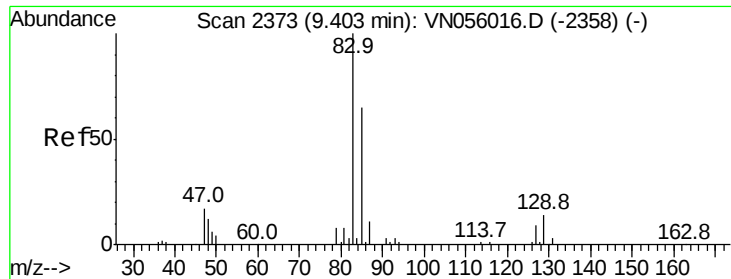
10000

0

9.15 9.20 9.25 9.30

Time-->





#41

Bromodichloromethane

Concen: 22.152 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

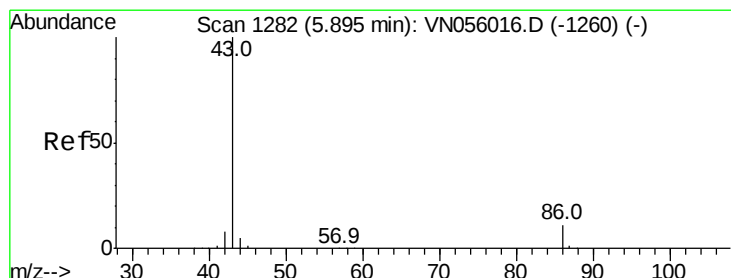
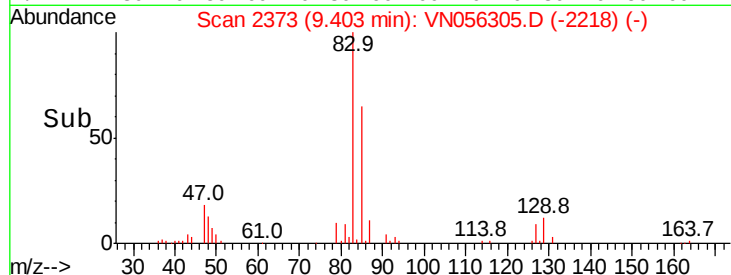
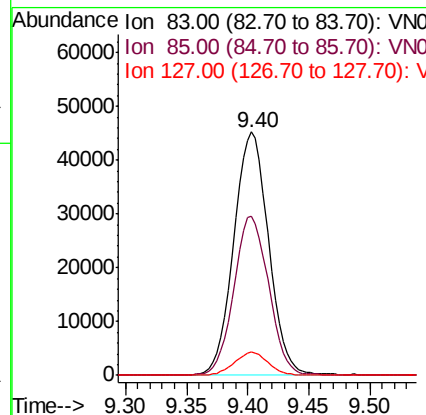
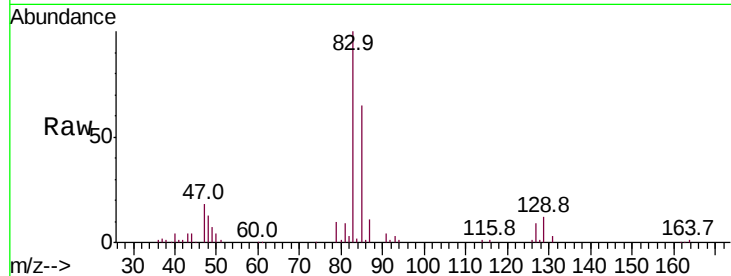
ClientSampleId :

VN0614WBSD01

Tot Ion:	83	Resp:	89860
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.8	77.6
127	9.4	7.3	10.9

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#42

Vinyl Acetate

Concen: 108.917 ug/l

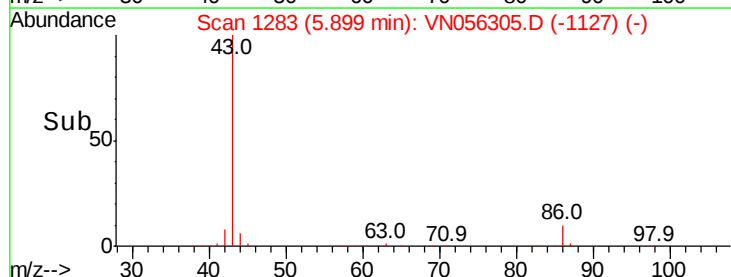
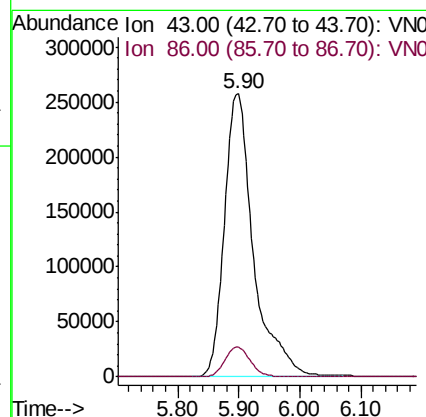
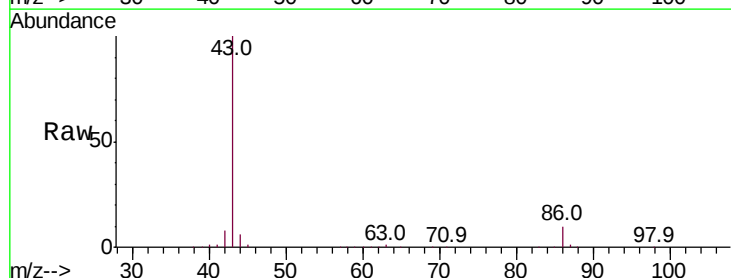
RT: 5.90 min Scan# 1283

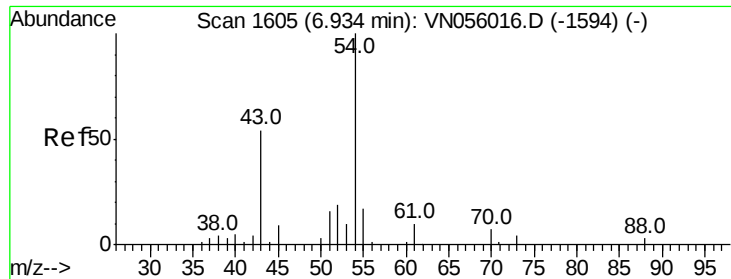
Delta R.T. 0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Tgt Ion:	43	Resp:	855906
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.9	11.9





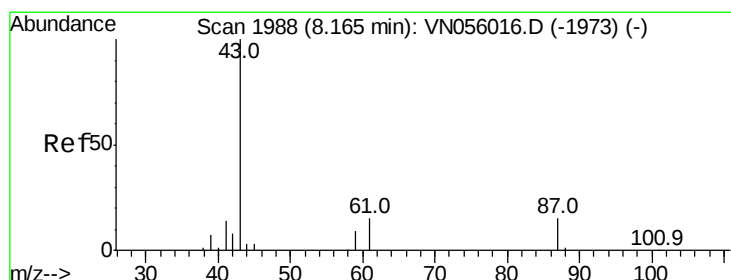
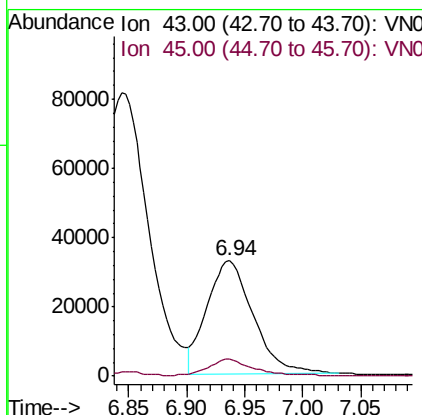
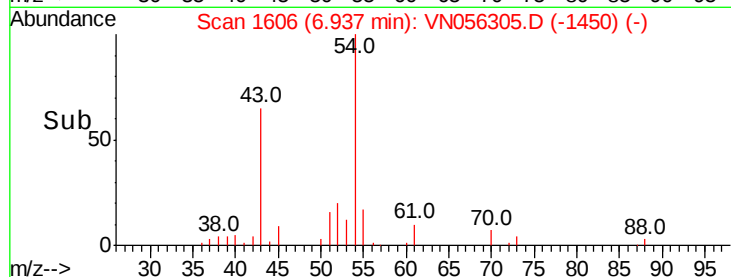
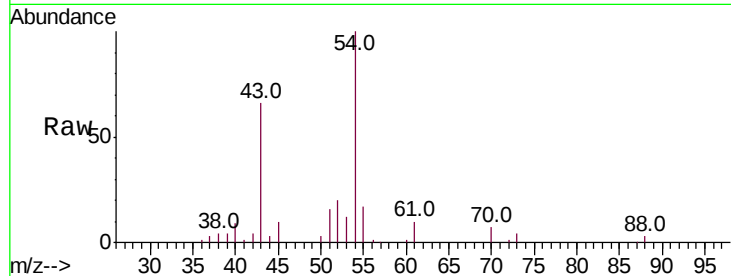
#43
Ethyl Acetate
Concen: 21.479 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	43	45	Ratio	100	13.2	Resp	90611	Lower	Upper
43	100								
45		13.2						12.3	18.5

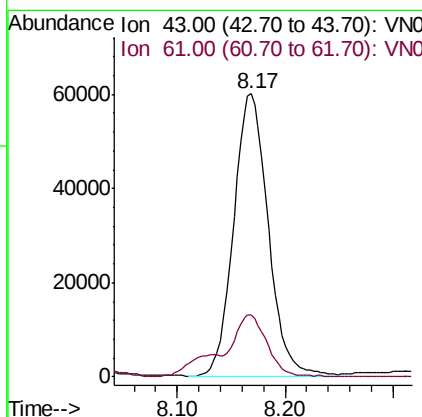
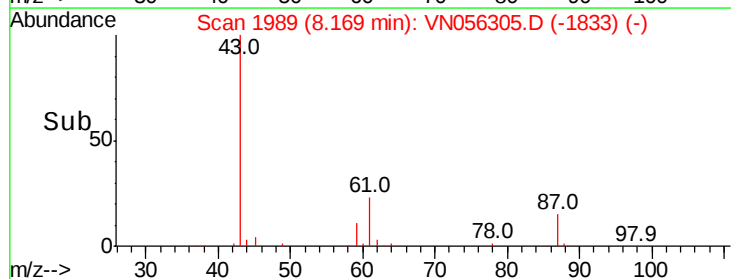
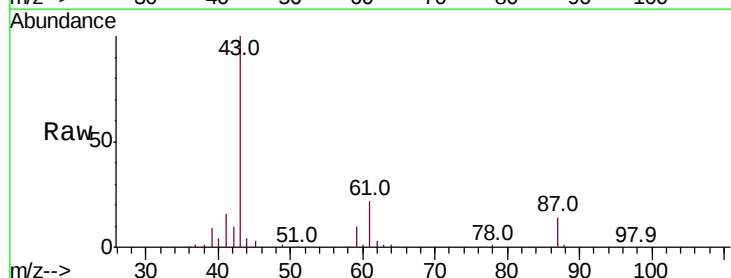
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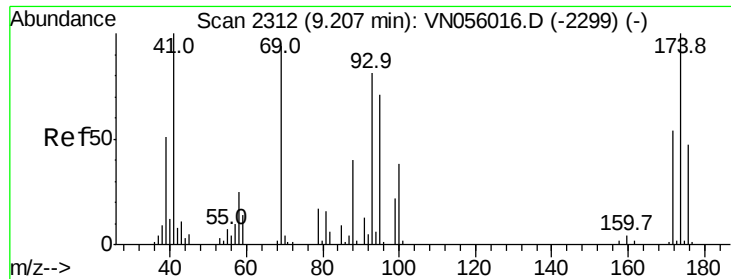
MMDadoda
6/17/2019 9:45:52 AM



#44
Isopropyl Acetate
Concen: 20.338 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	43	61	Ratio	100	20.1	Resp	133211	Lower	Upper
43	100								
61		20.1						16.9	25.3





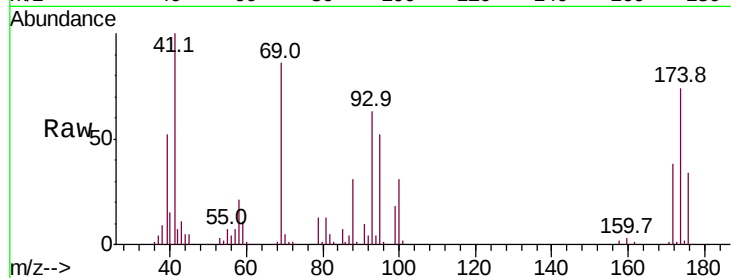
#45
 1,4-Dioxane
 Concen: 392.098 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	19.8	29.6
58	69.6	48.5	72.7

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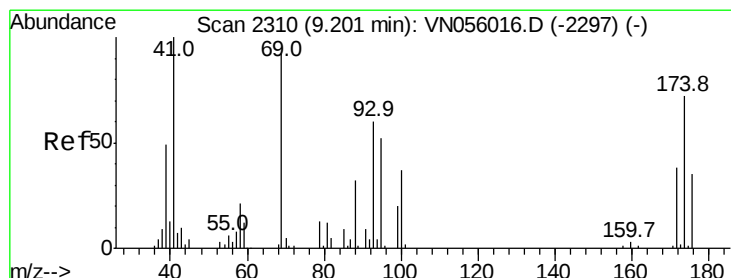
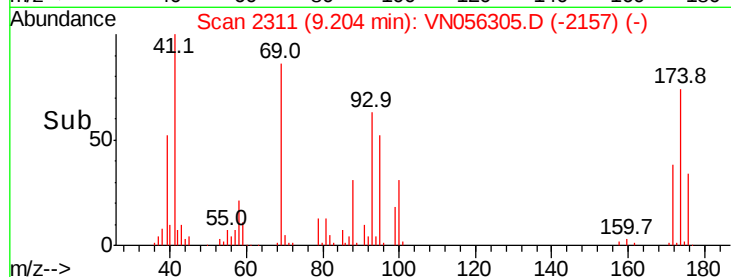
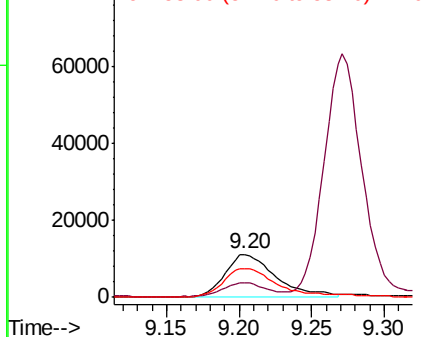


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 20.654 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

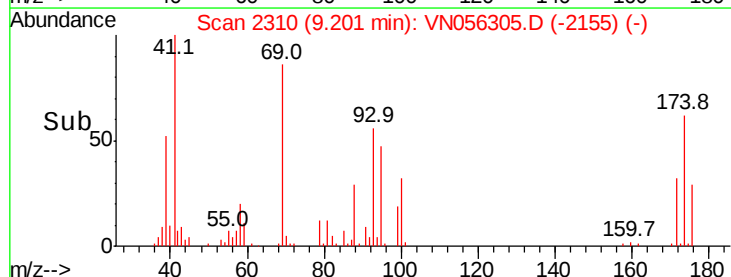
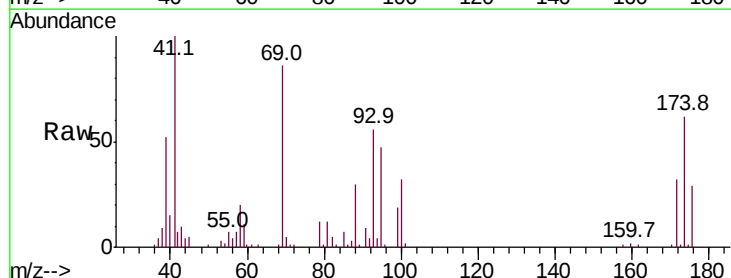
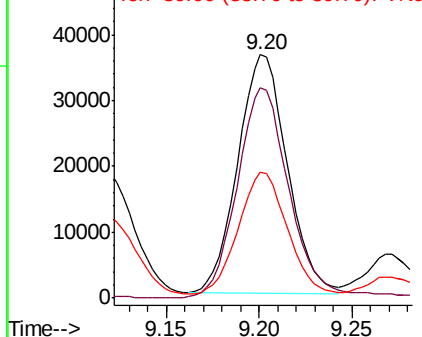
Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.8	46.0	137.8
39	51.5	24.6	73.8

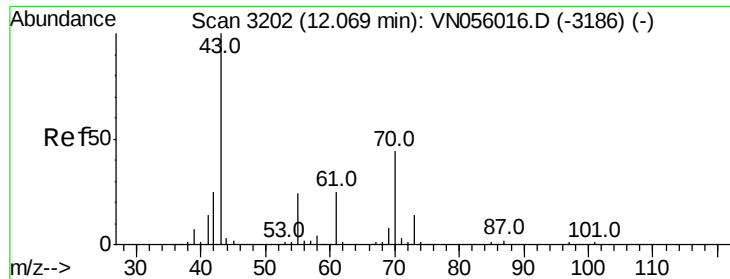
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 20.148 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 43 Resp: 109135

Ion Ratio Lower Upper

43 100

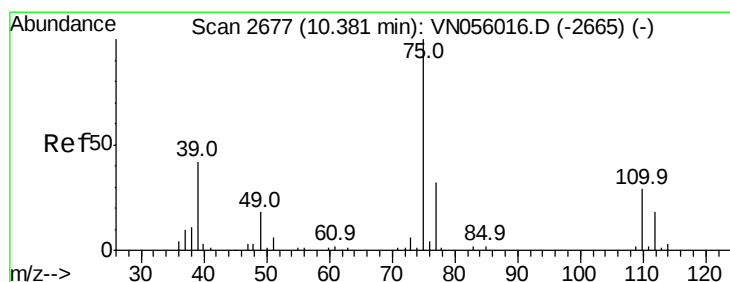
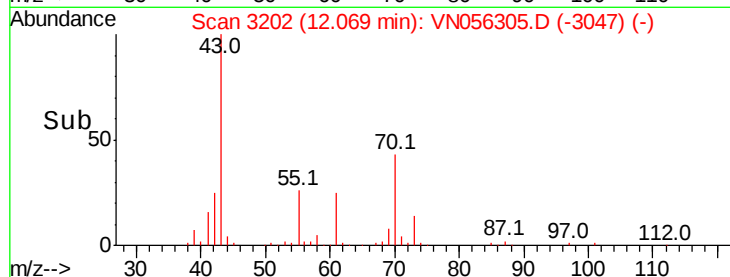
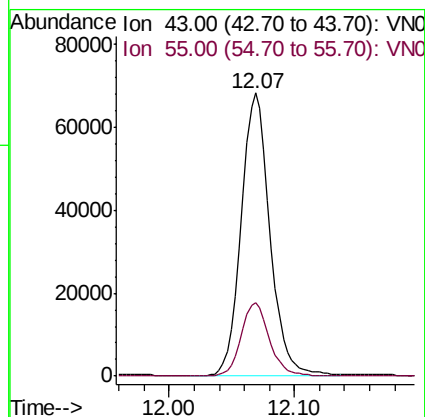
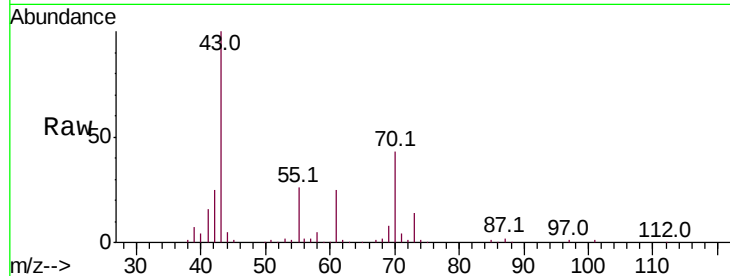
55 25.3 19.0 28.6

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#48

t-1,3-Dichloropropene

Concen: 20.194 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056305.D

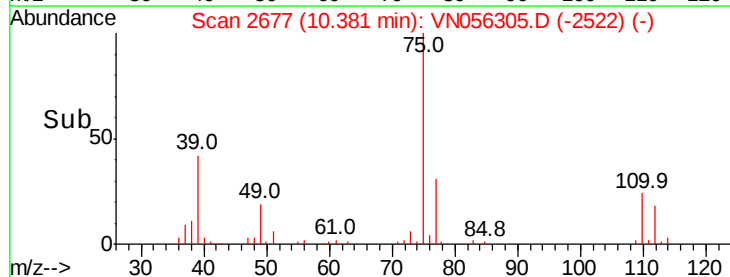
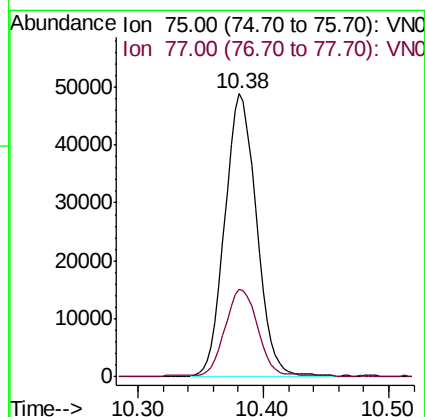
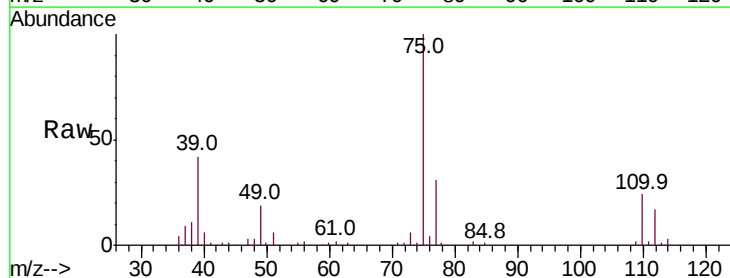
Acq: 14 Jun 2019 11:25

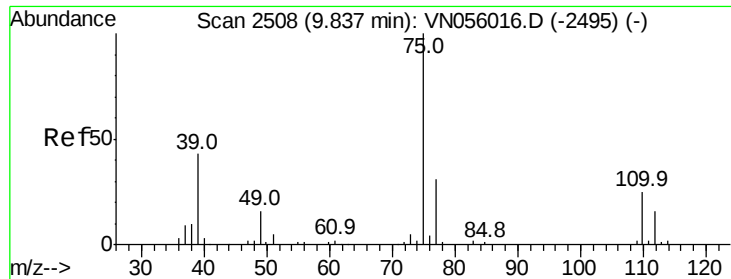
Tgt Ion: 75 Resp: 86209

Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0





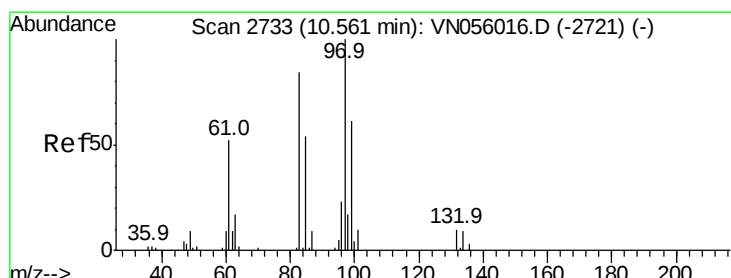
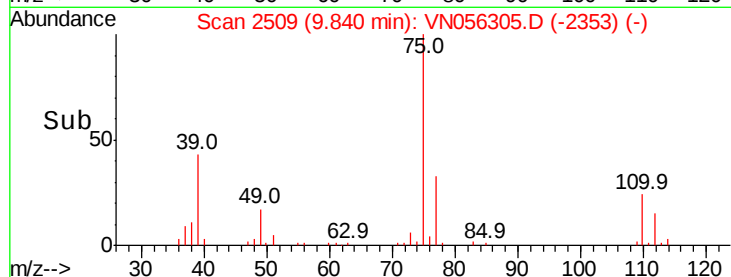
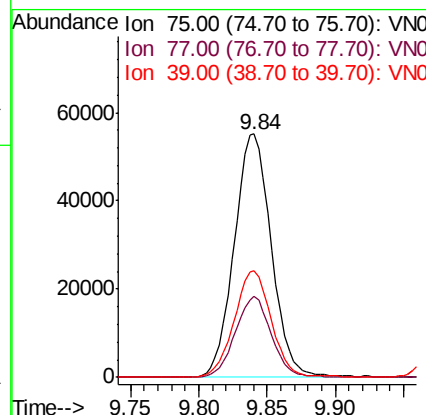
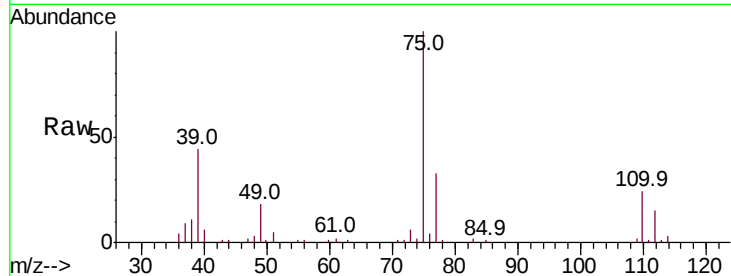
#49
 cis-1,3-Dichloropropene
 Concen: 20.830 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	33.2	25.1	37.7	
39	43.6	34.3	51.5	

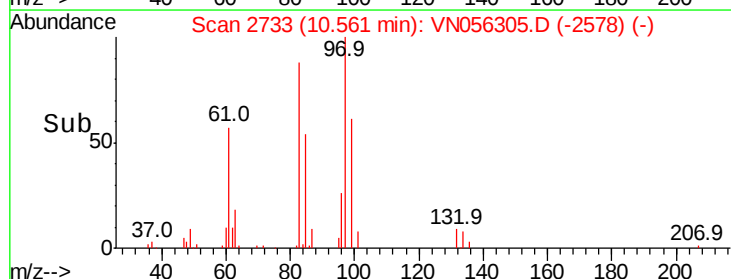
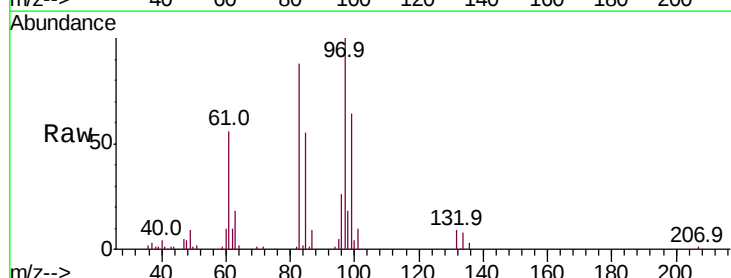
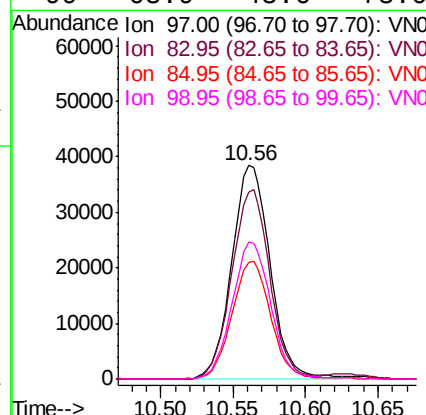
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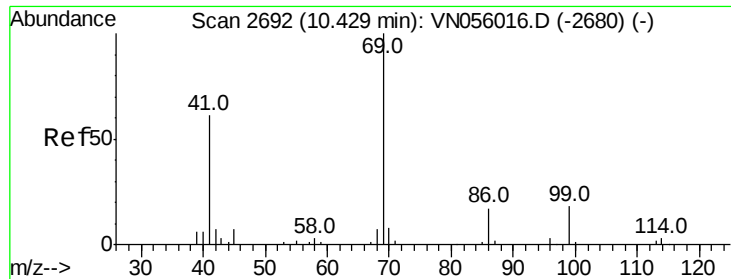
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.971 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	87.6	66.9	100.3	
85	54.6	43.3	64.9	
99	63.9	48.6	73.0	





#51

Ethyl methacrylate

Concen: 19.477 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

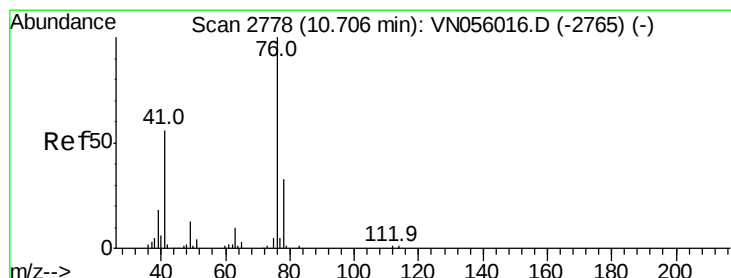
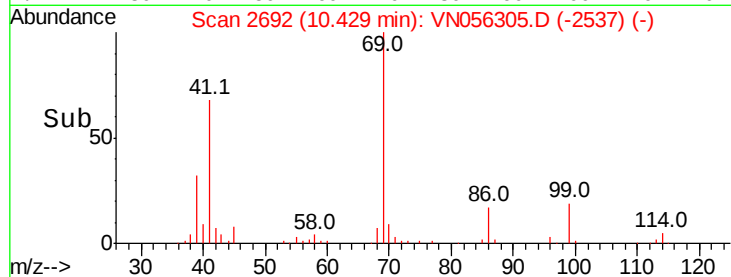
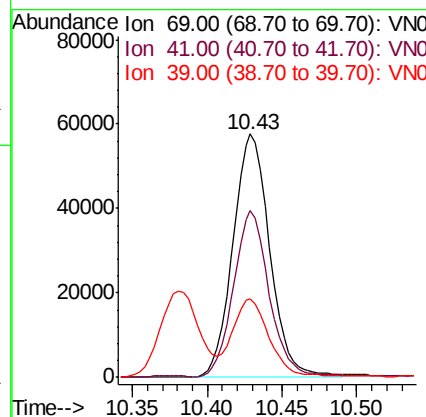
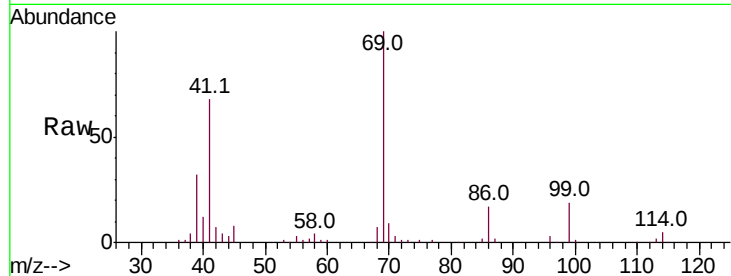
ClientSampleId :

VN0614WBSD01

Tot Ion:	69	Resp:	99151
Ion Ratio	Lower	Upper	
69	100		
41	68.2	30.8	92.3
39	31.8	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 21.234 ug/l

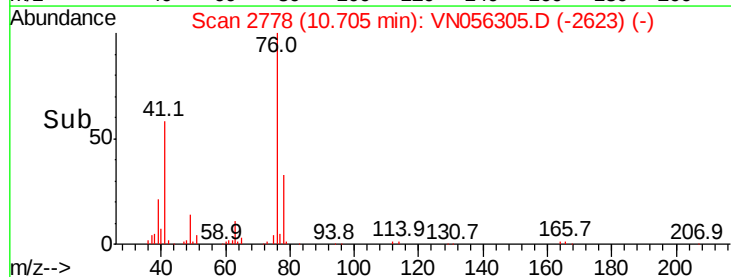
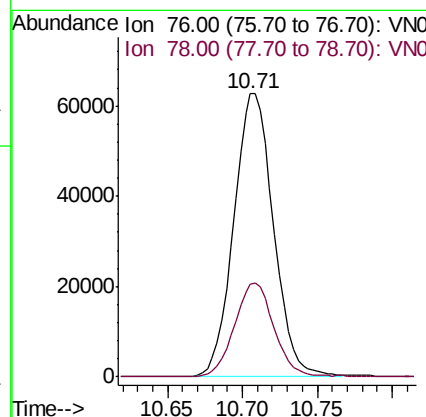
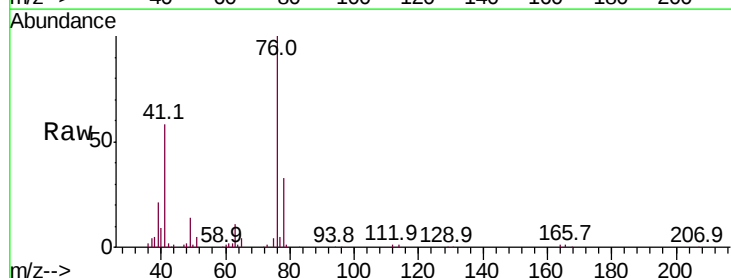
RT: 10.71 min Scan# 2778

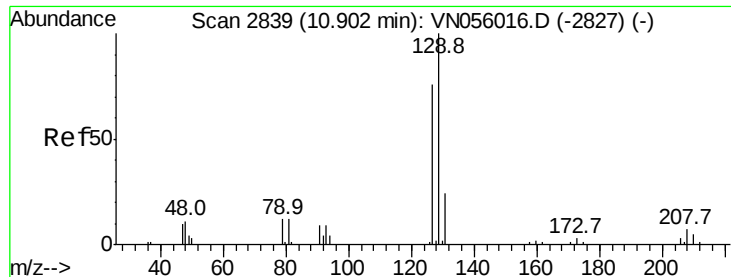
Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Tgt Ion:	76	Resp:	115834
Ion Ratio	Lower	Upper	
76	100		
78	33.0	0.0	63.4





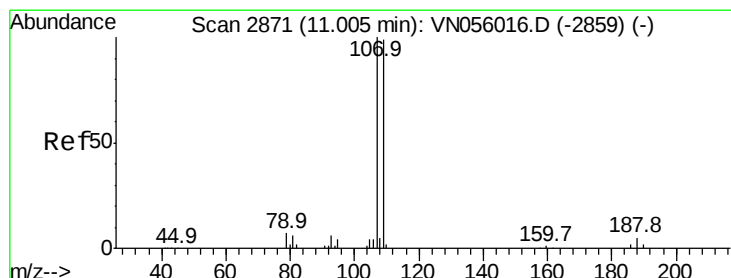
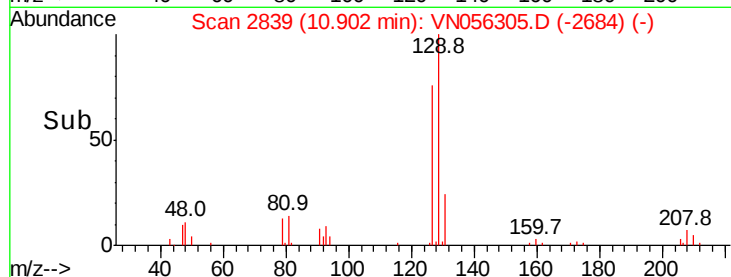
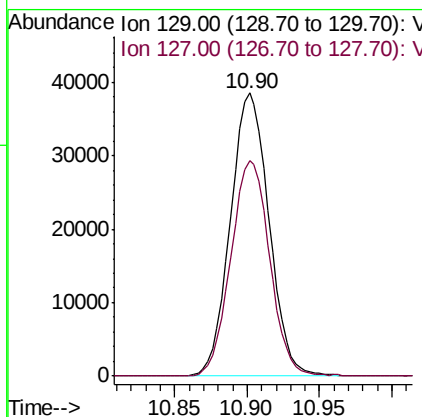
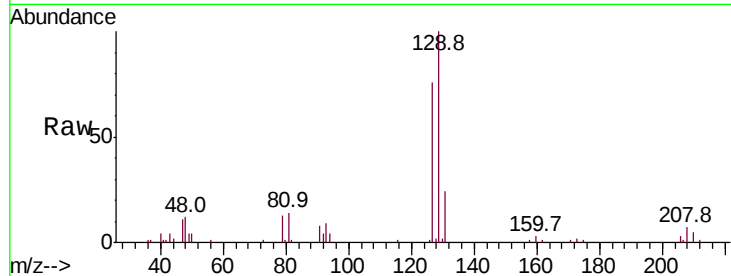
#53
Dibromochloromethane
Concen: 21.654 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion:129 Resp: 71326
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.5

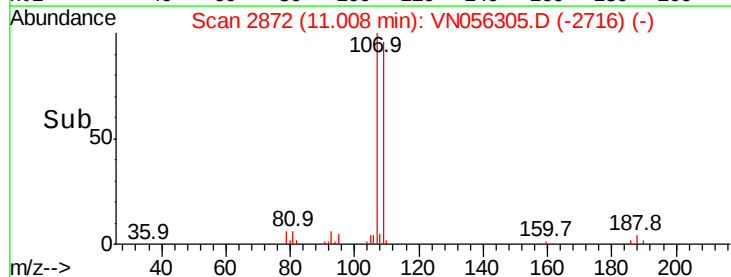
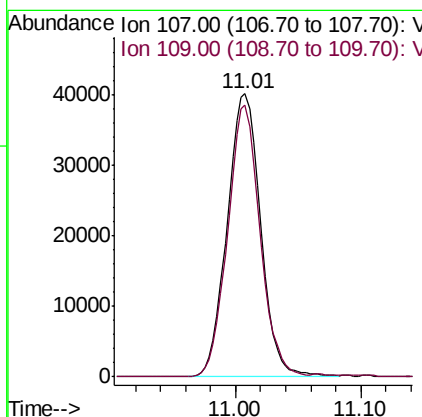
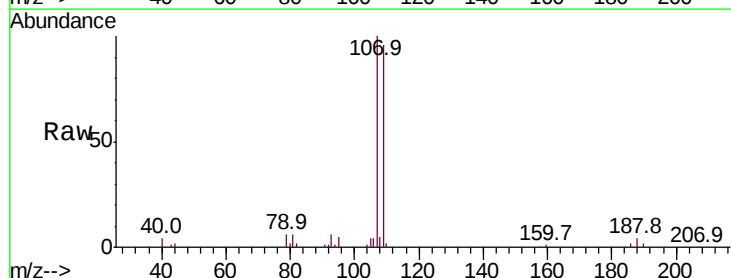
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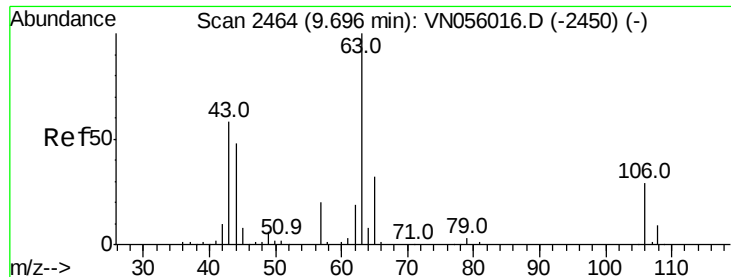
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#54
1,2-Dibromoethane
Concen: 21.224 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion:107 Resp: 74523
Ion Ratio Lower Upper
107 100
109 92.6 76.8 115.2





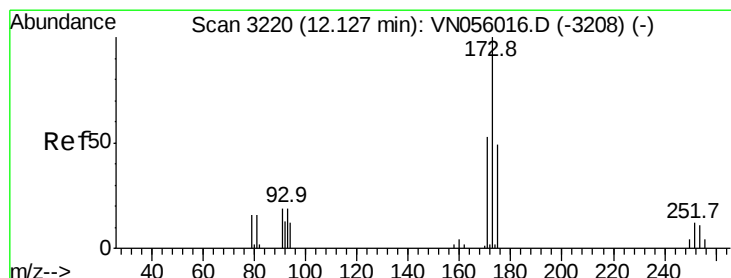
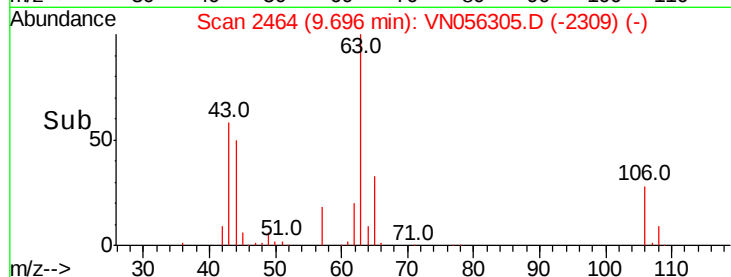
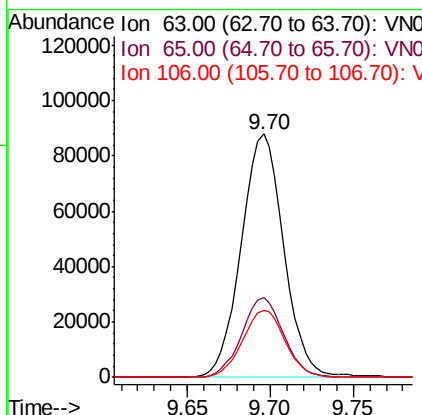
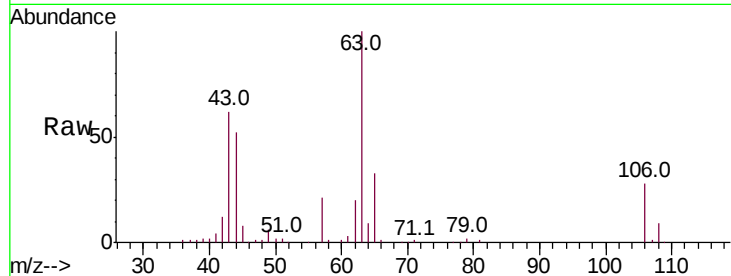
#55
2-Chloroethyl vinyl ether
Concen: 87.844 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	27.7	23.0	34.4

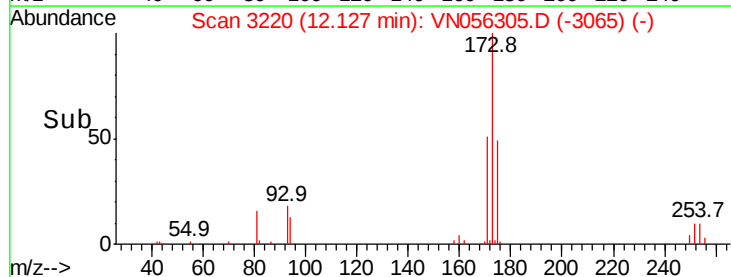
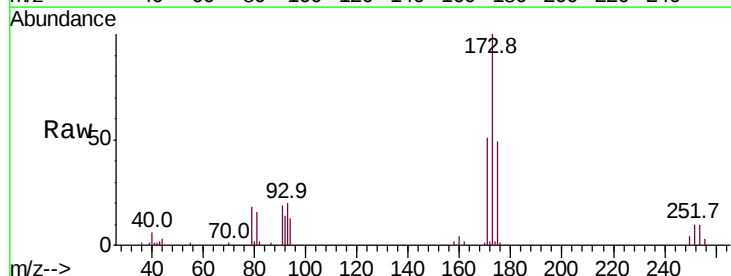
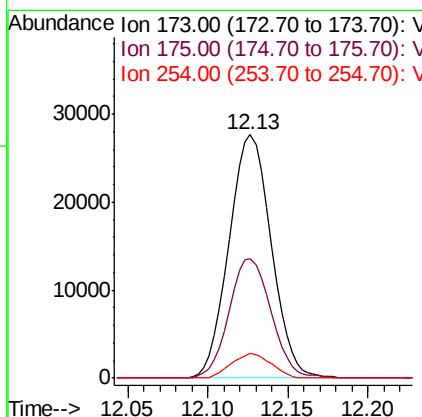
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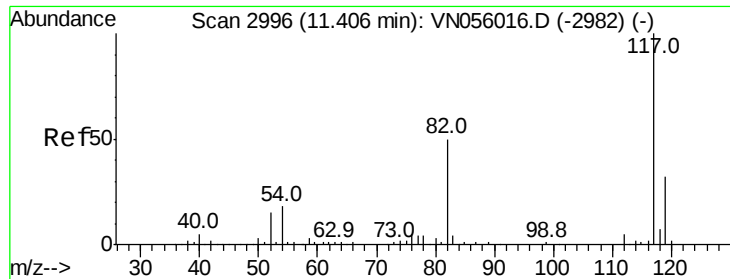
MMDadoda
6/17/2019 9:45:52 AM



#56
Bromoform
Concen: 20.961 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	9.4	6.6	9.8





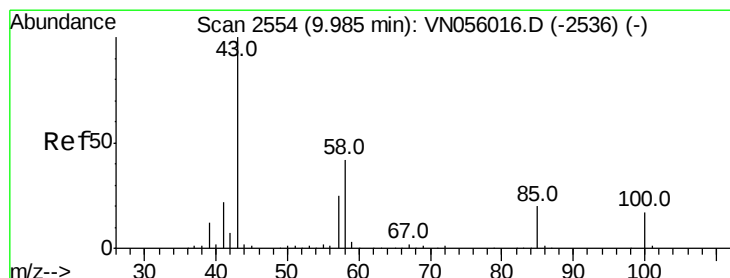
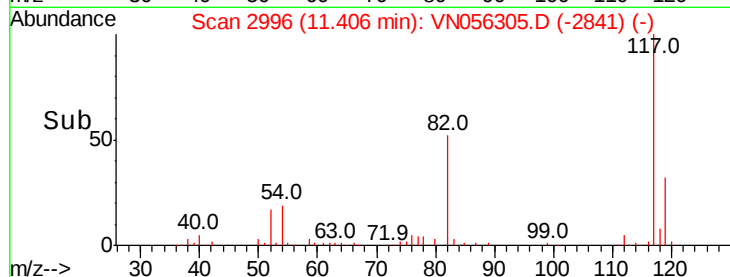
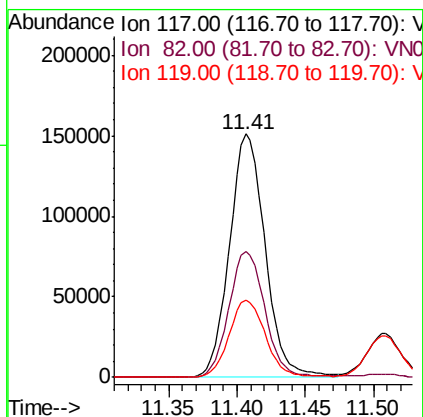
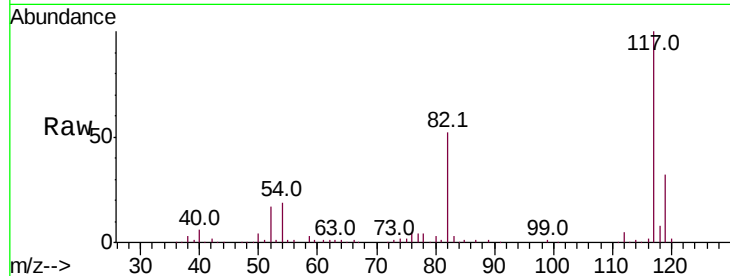
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.2	61.8
119	32.4	26.2	39.2

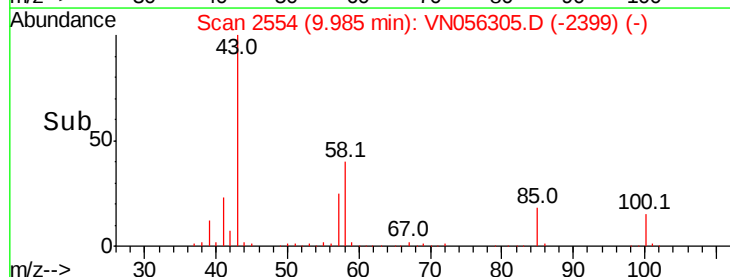
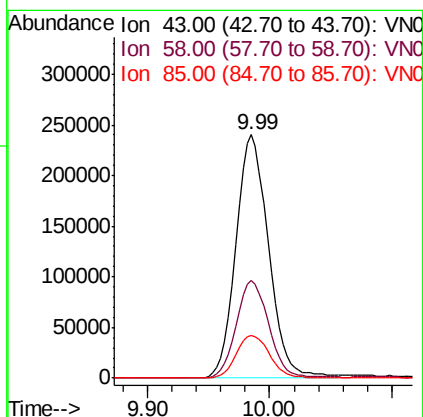
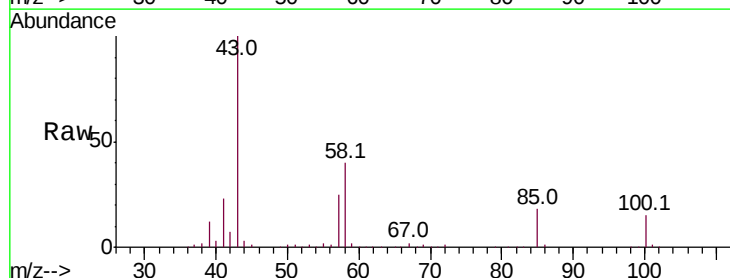
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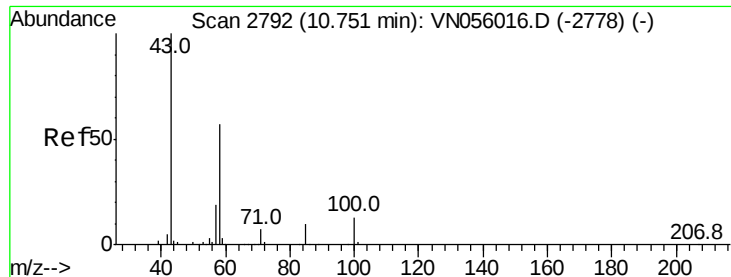
MMDadoda
6/17/2019 9:45:52 AM



#58
4-Methyl-2-Pentanone
Concen: 106.627 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	33.1	49.7
85	18.1	15.5	23.3





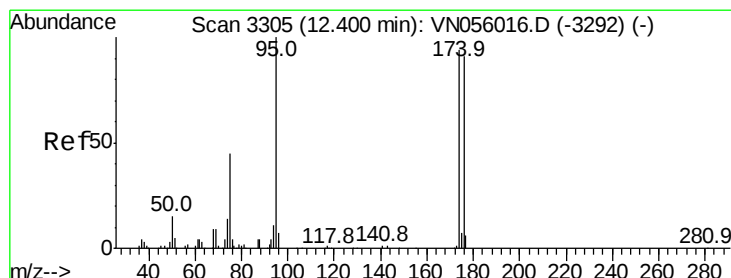
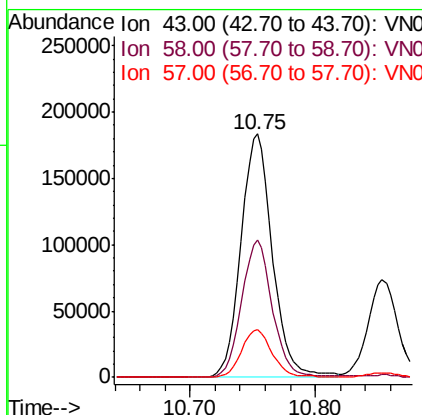
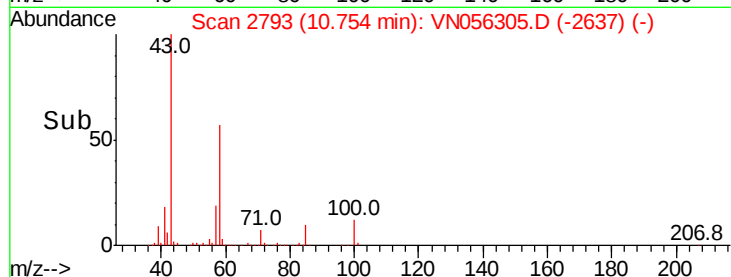
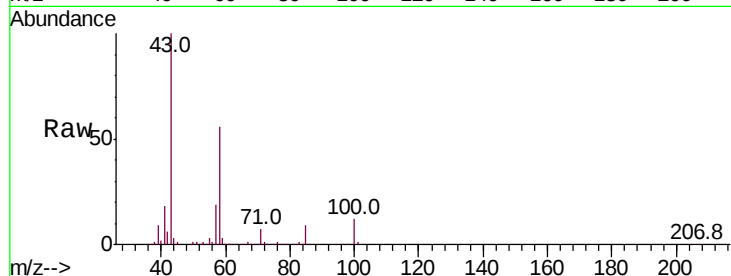
#59
2-Hexanone
Concen: 107.764 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.3	67.9
57	19.2	15.6	23.4

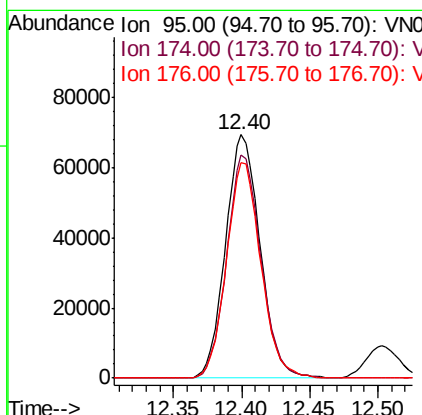
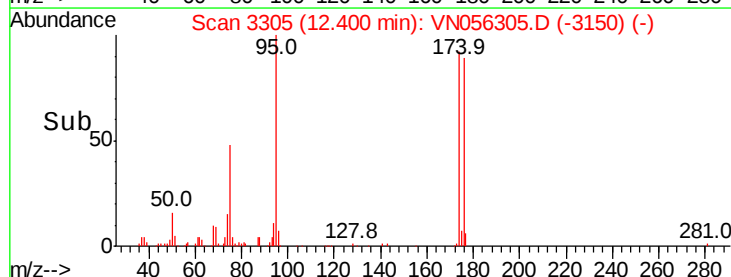
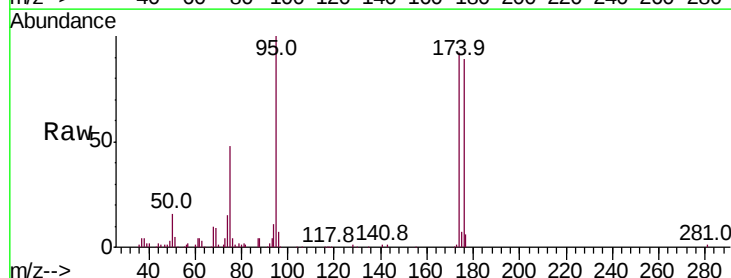
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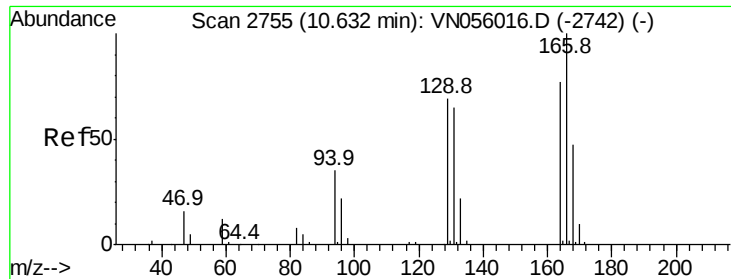
MMDadoda
6/17/2019 9:45:52 AM



#60
4-Bromofluorobenzene
Concen: 30.030 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	75.4	113.0
176	87.8	73.9	110.9





#61

Tetrachloroethene

Concen: 19.275 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion:164 Resp: 73866

Ion Ratio Lower Upper

164 100

166 128.9 104.3 156.5

129 90.2 71.5 107.3

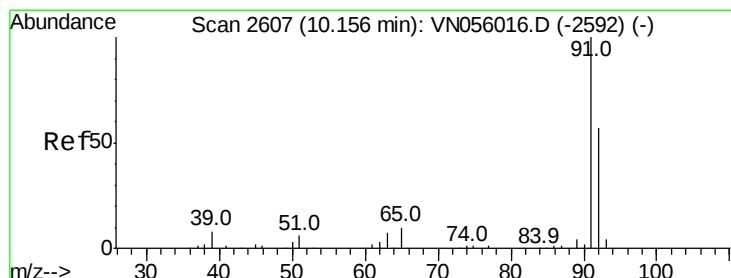
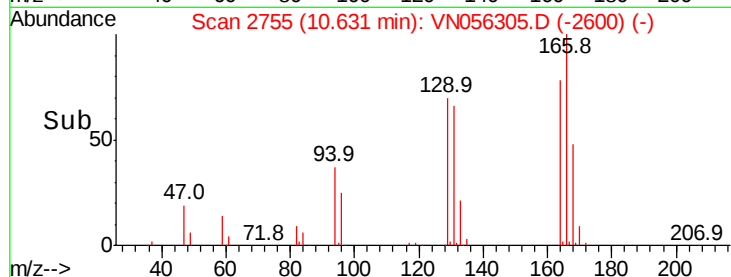
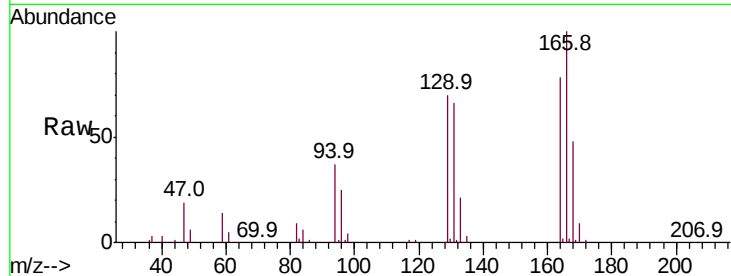
131 85.7 67.7 101.5

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#62

Toluene

Concen: 20.292 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056305.D

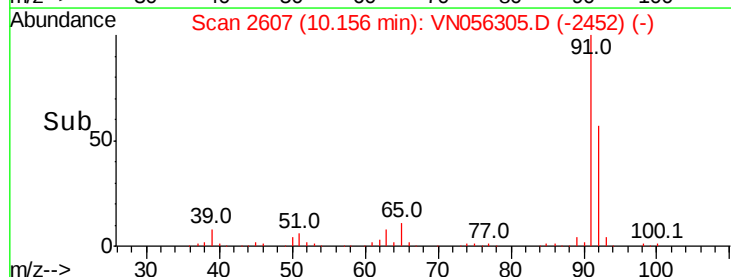
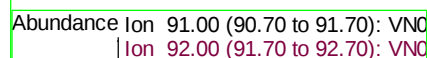
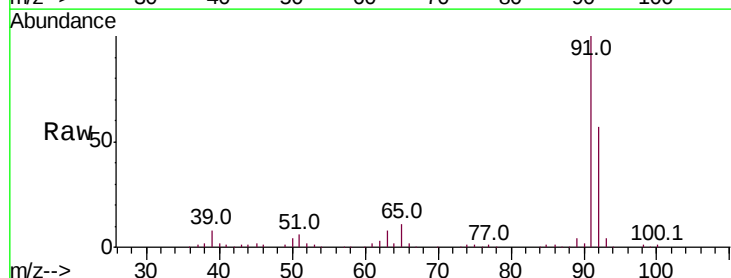
Acq: 14 Jun 2019 11:25

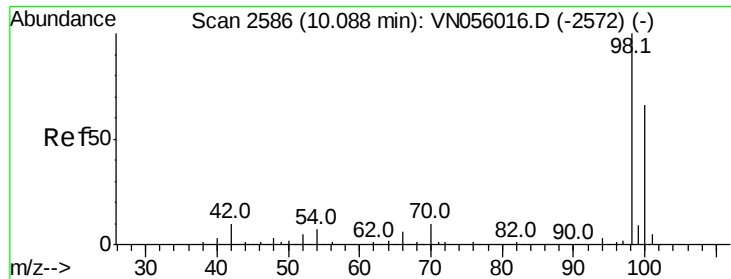
Tgt Ion: 91 Resp: 301199

Ion Ratio Lower Upper

91 100

92 57.3 45.5 68.3





#63

Toluene-d8

Concen: 31.016 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 98 Resp: 386871

Ion Ratio Lower Upper

98 100

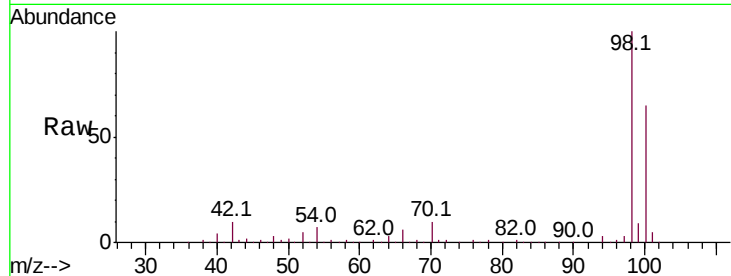
100 64.5 52.2 78.4

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Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

200000

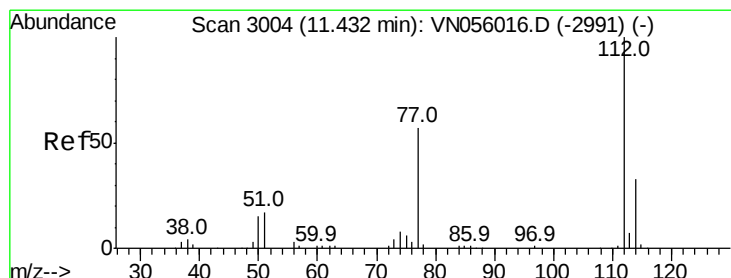
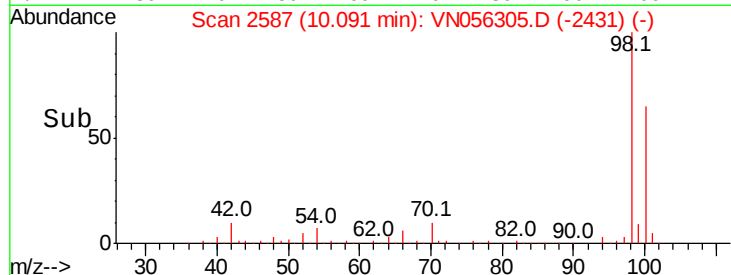
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.622 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056305.D

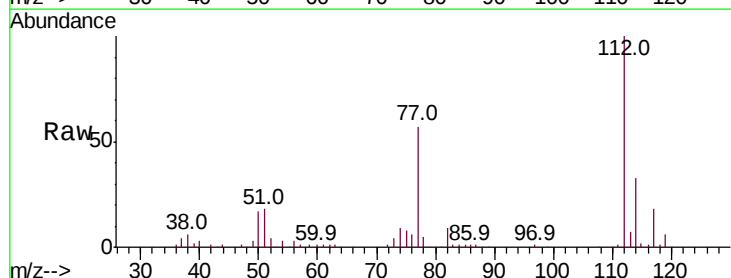
Acq: 14 Jun 2019 11:25

Tgt Ion: 112 Resp: 185669

Ion Ratio Lower Upper

112 100

114 32.9 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

120000

100000

80000

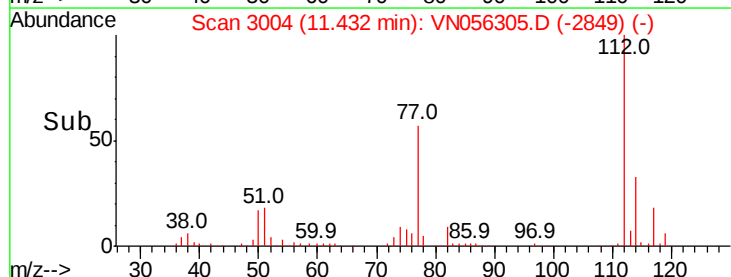
60000

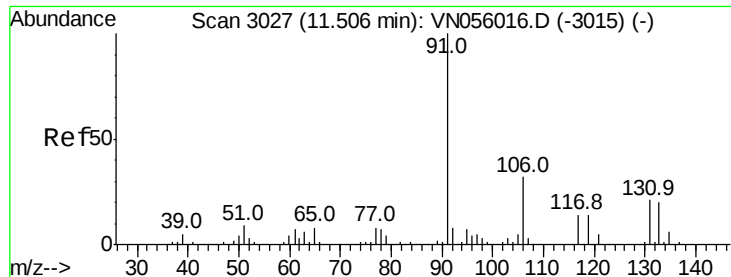
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.952 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

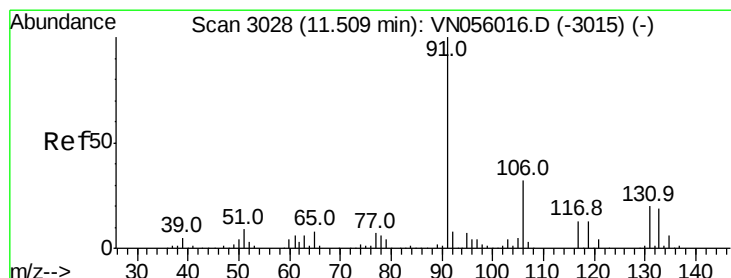
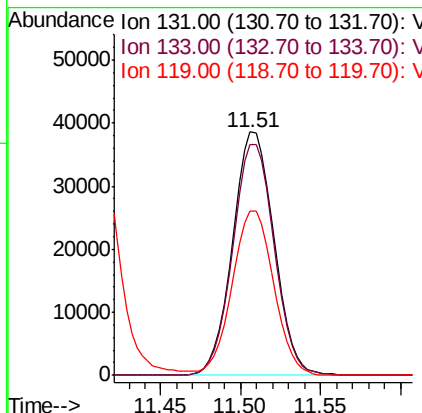
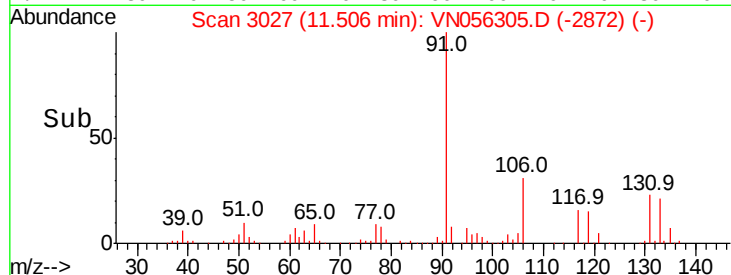
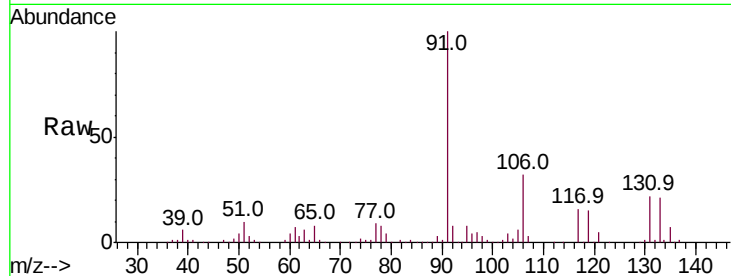
ClientSampleId :

VN0614WBSD01

Tot Ion:	131	Resp:	68023
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	193.8
119	68.1	0.0	134.4

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#66

Ethyl Benzene

Concen: 20.285 ug/l

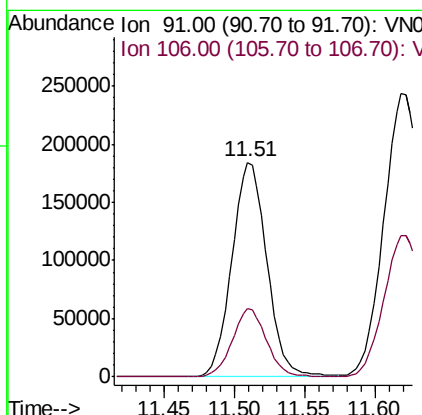
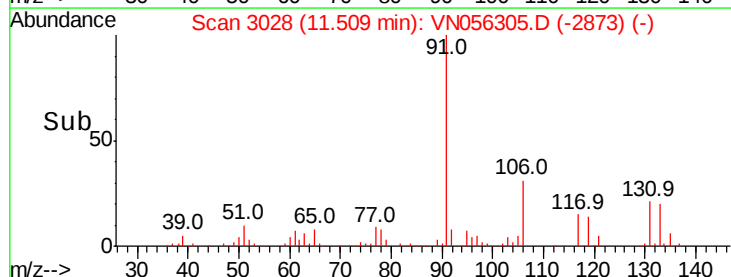
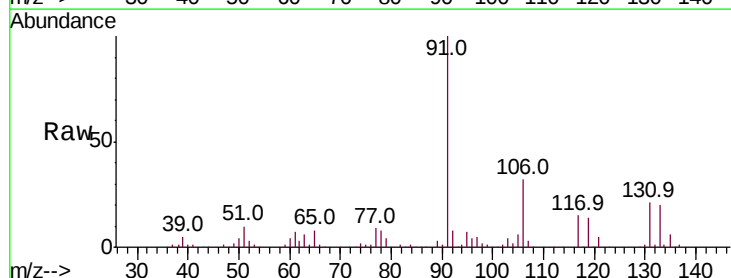
RT: 11.51 min Scan# 3028

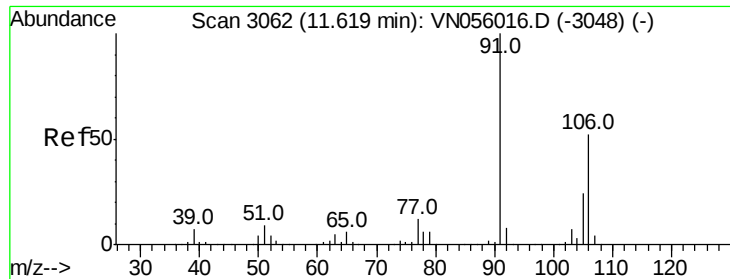
Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Tgt Ion:	91	Resp:	320706
Ion Ratio	Lower	Upper	
91	100		
106	31.7	25.7	38.5





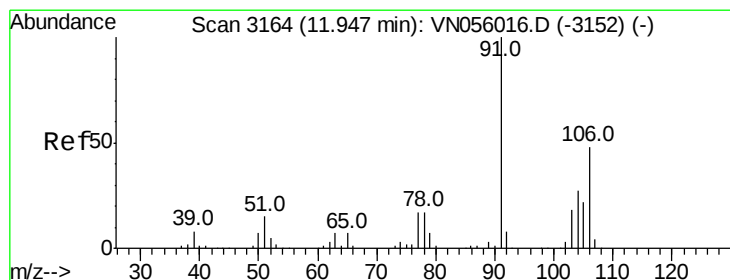
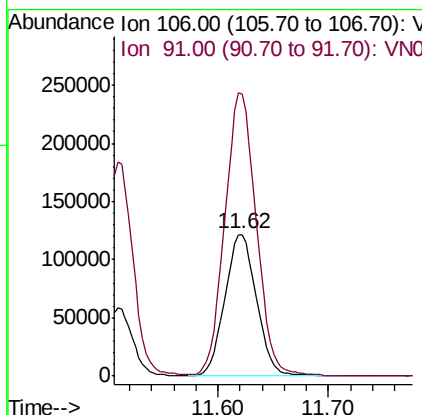
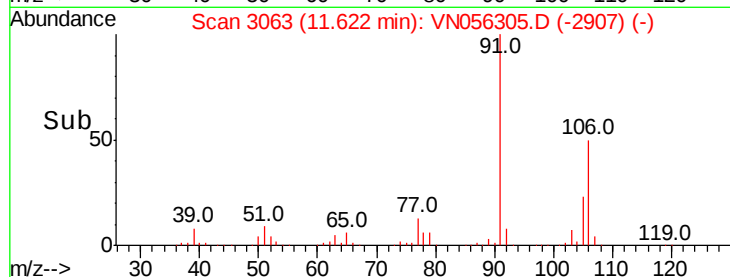
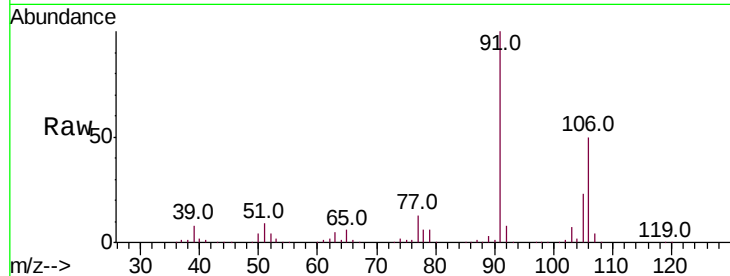
#67
m/p-Xvlenes
Concen: 40.154 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion:106 Resp: 242990
Ion Ratio Lower Upper
106 100
91 198.4 155.7 233.5

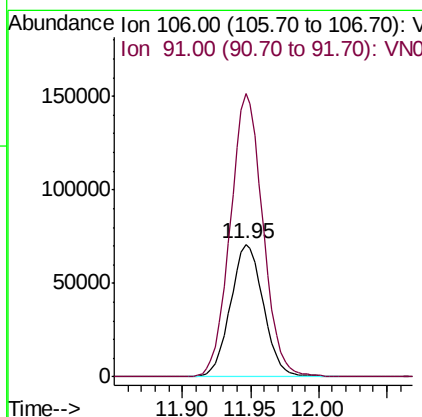
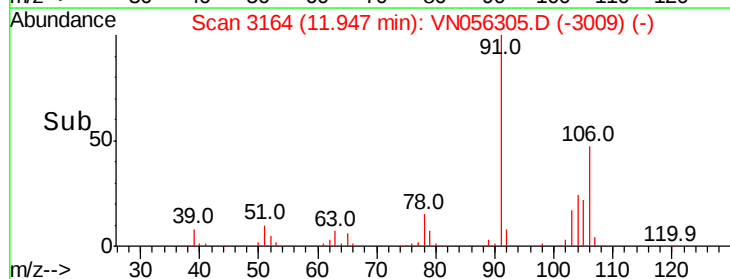
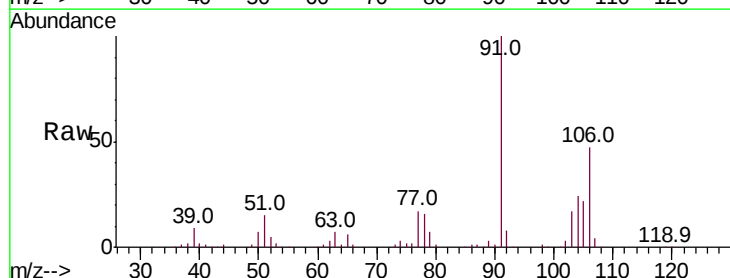
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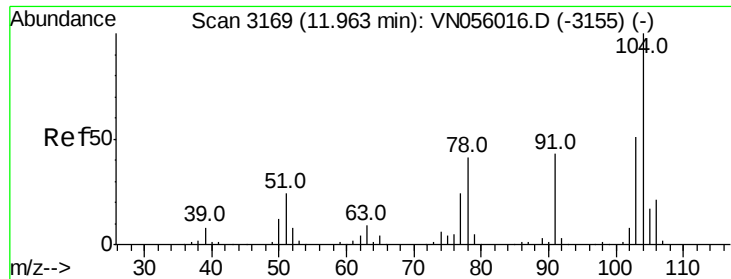
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#68
o-Xylene
Concen: 20.111 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion:106 Resp: 119142
Ion Ratio Lower Upper
106 100
91 211.1 103.9 311.7





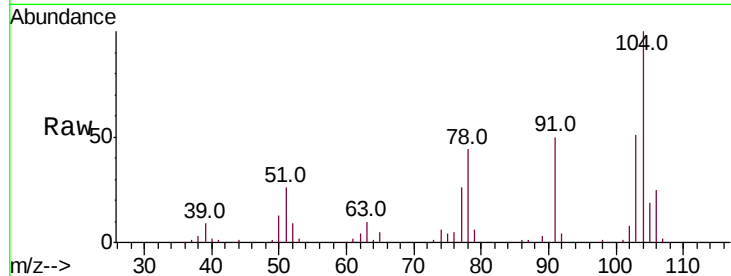
#69
Stvrene
Concen: 19.666 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	189293		
78	48.4		37.0	55.6
103	55.7		44.4	66.6

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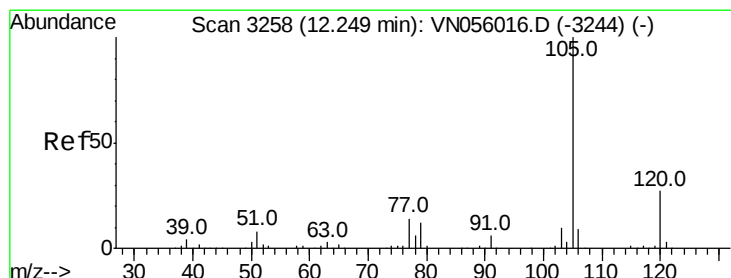
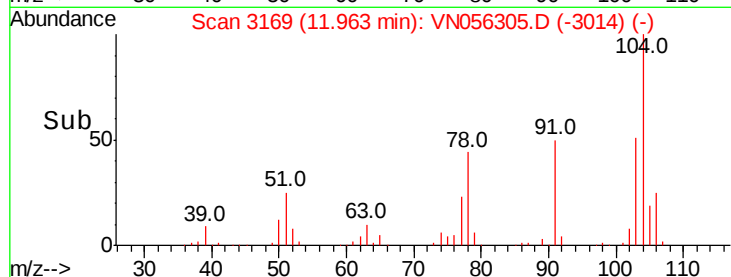
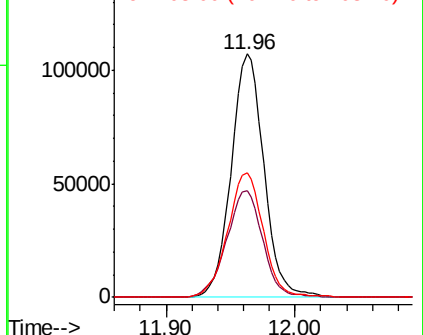


Abundance

Ion 104.00 (103.70 to 104.70): V

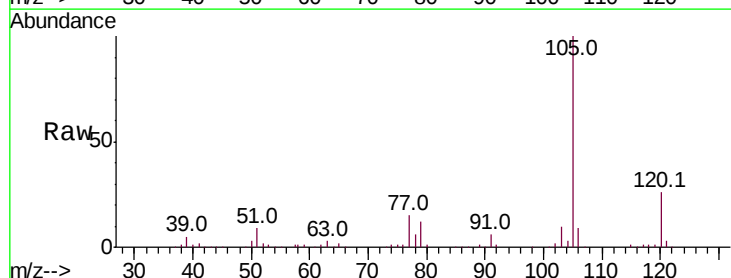
Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.297 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

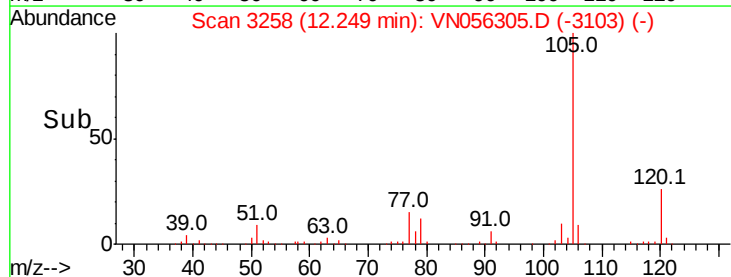
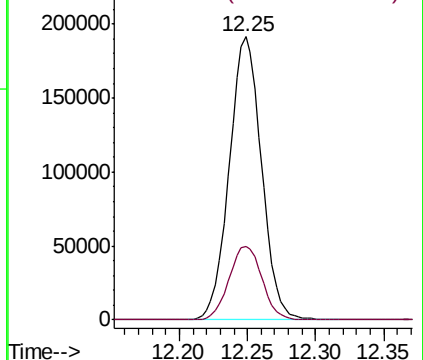
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	314164		
120	26.8		19.3	35.8

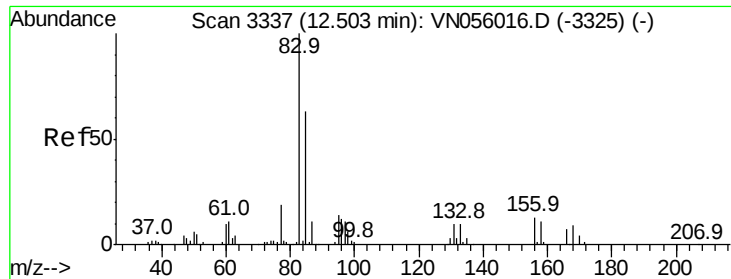


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





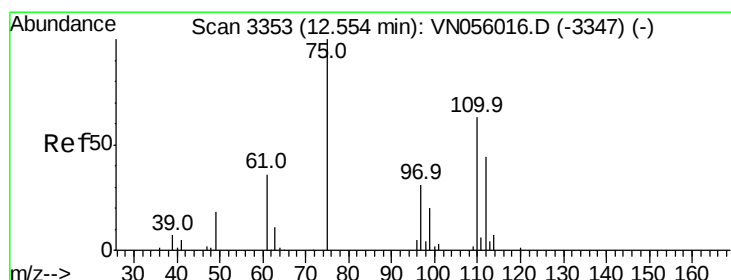
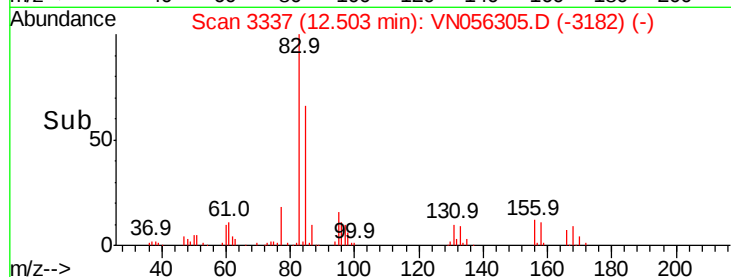
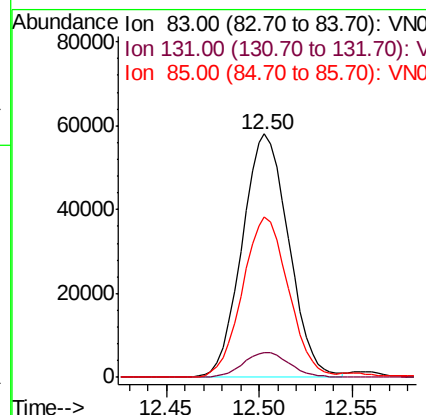
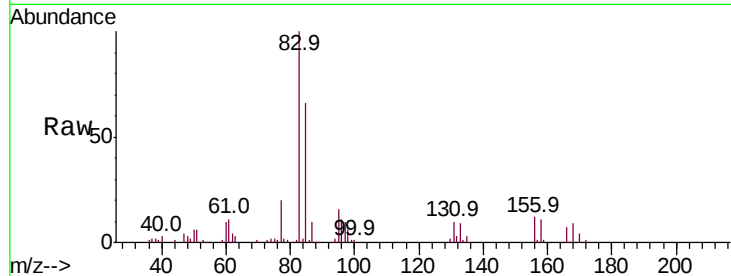
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.645 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.2	5.2	15.6	
85	64.9	31.6	94.7	

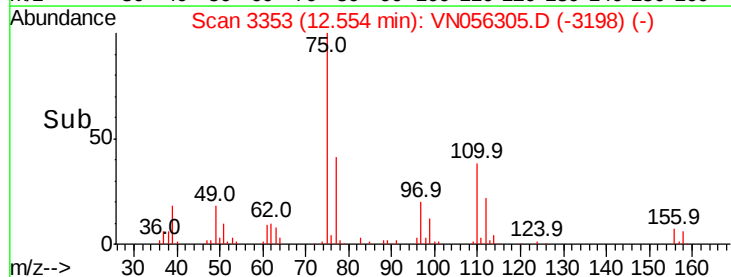
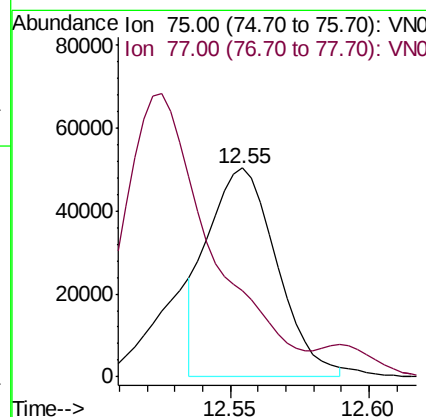
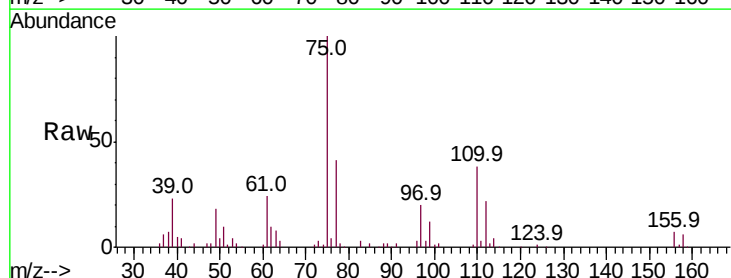
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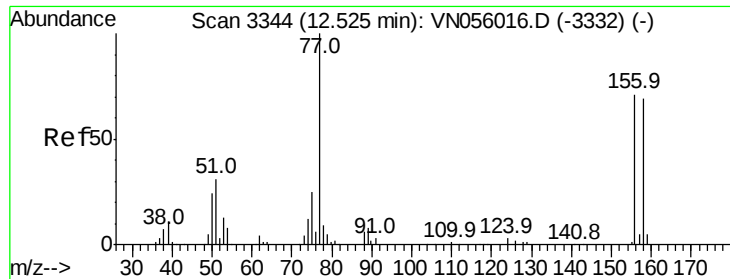
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 21.451 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	173.5	0.0	350.0	





#73

Bromobenzene

Concen: 19.896 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

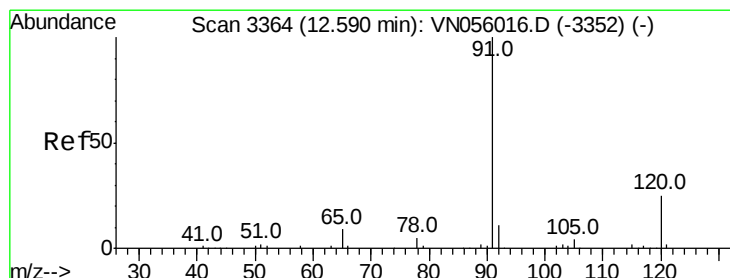
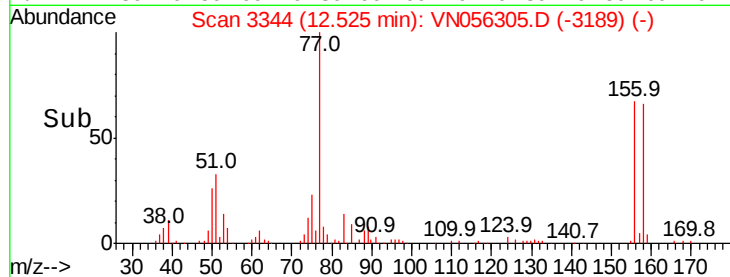
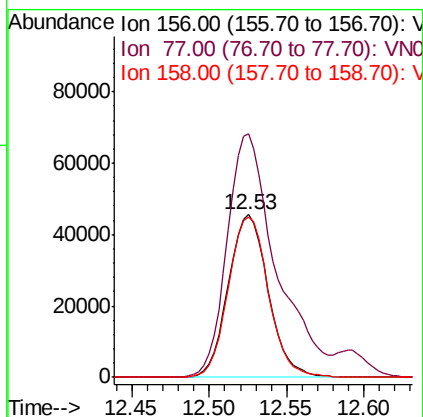
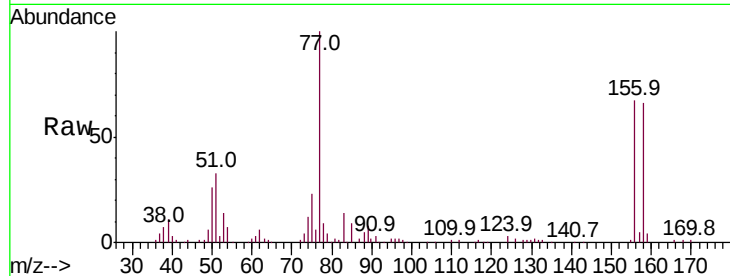
ClientSampleId :

VN0614WBSD01

Tot Ion:	156	Resp:	81744
Ion	Ratio	Lower	Upper
156	100		
77	183.9	0.0	350.8
158	98.7	0.0	193.2

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#74

n-propylbenzene

Concen: 20.016 ug/l

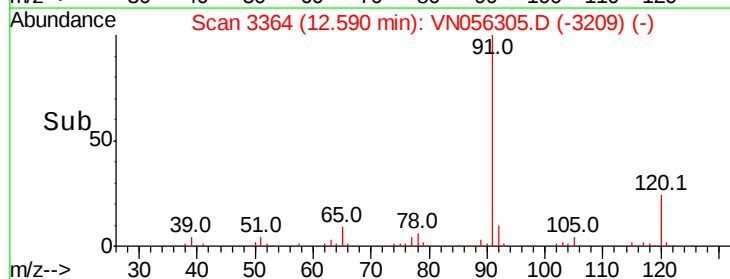
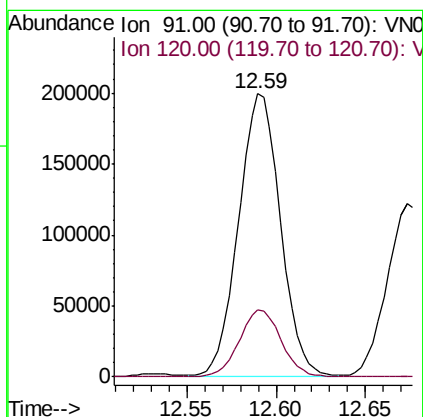
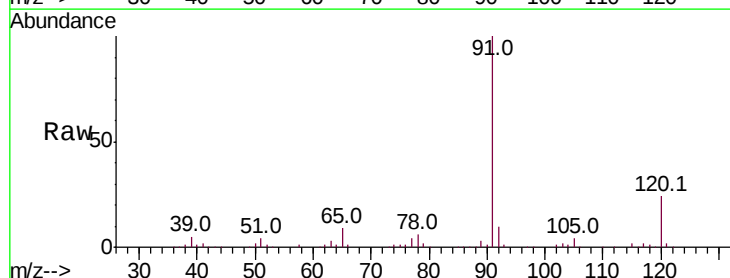
RT: 12.59 min Scan# 3364

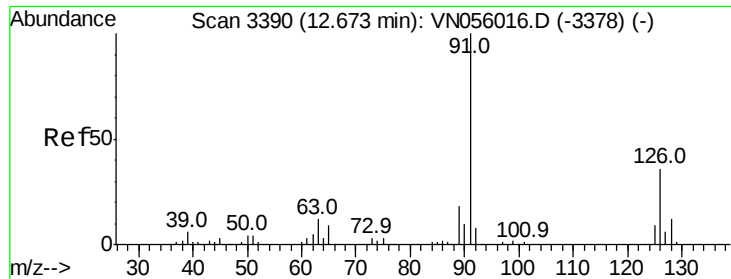
Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Tgt Ion:	91	Resp:	326949
Ion	Ratio	Lower	Upper
91	100		
120	23.6	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.503 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 91 Resp: 207737

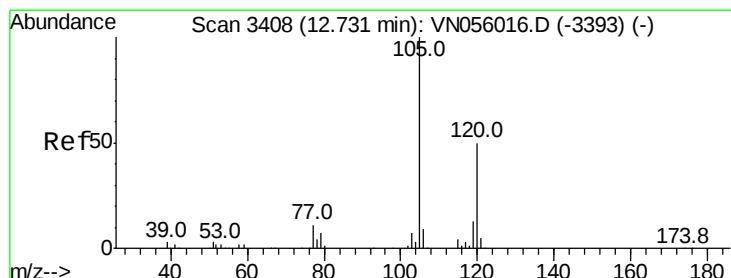
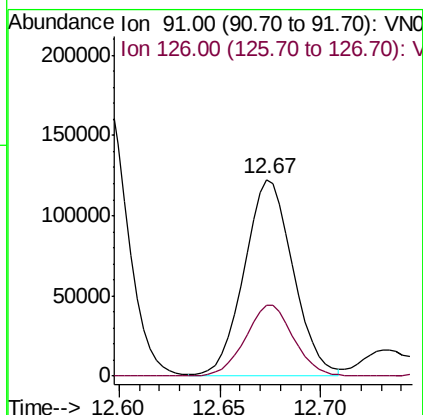
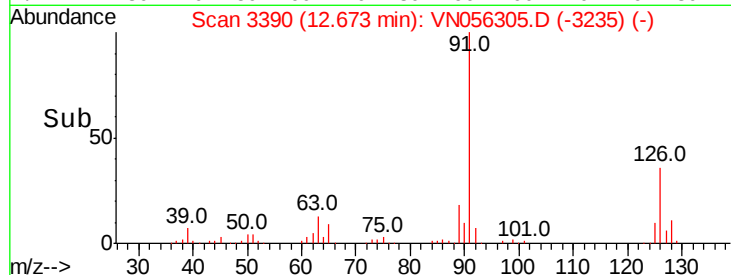
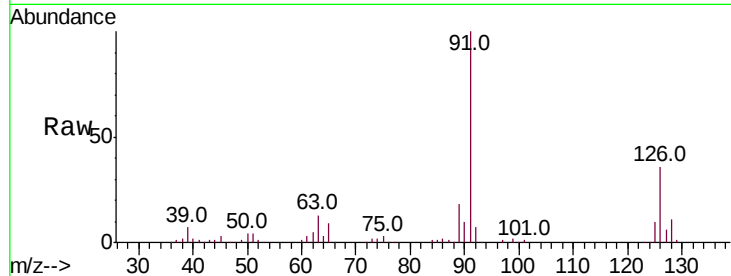
Ion Ratio Lower Upper

91 100

126 35.8 0.0 72.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.995 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056305.D

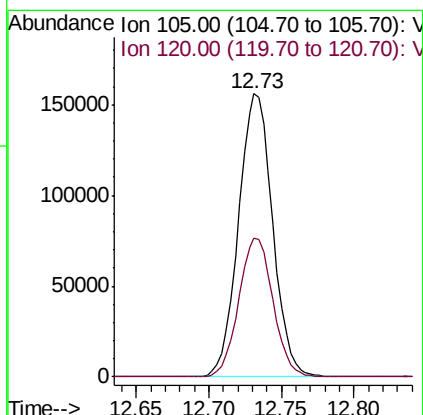
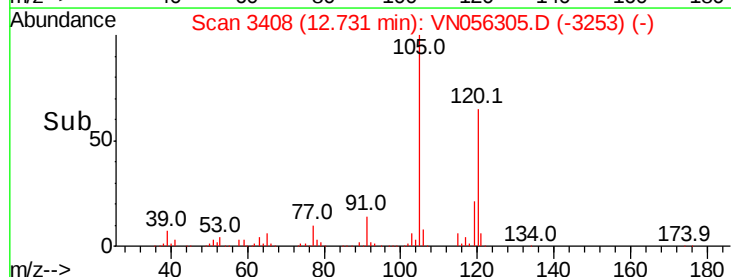
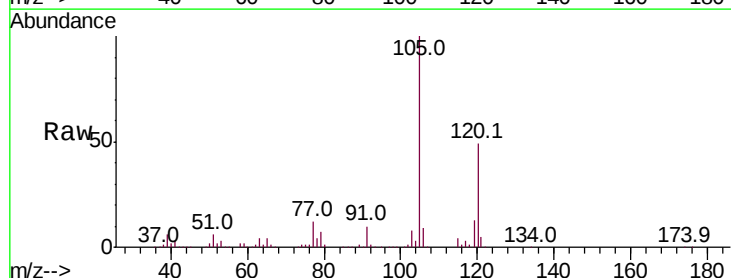
Acq: 14 Jun 2019 11:25

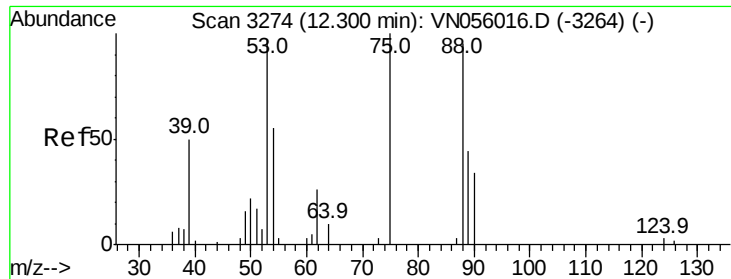
Tgt Ion: 105 Resp: 254582

Ion Ratio Lower Upper

105 100

120 49.1 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.129 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD01

Tot Ion: 75 Resp: 19745

Ion Ratio Lower Upper

75 100

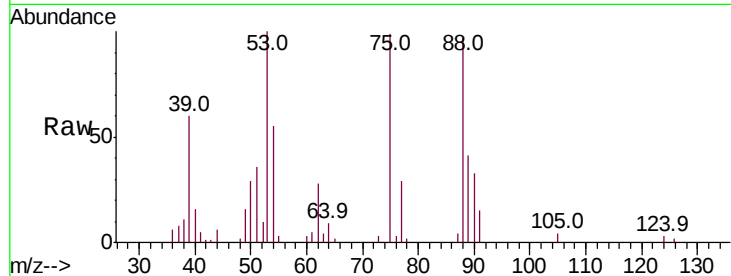
53 101.0 48.0 144.0

89 42.3 22.5 67.5

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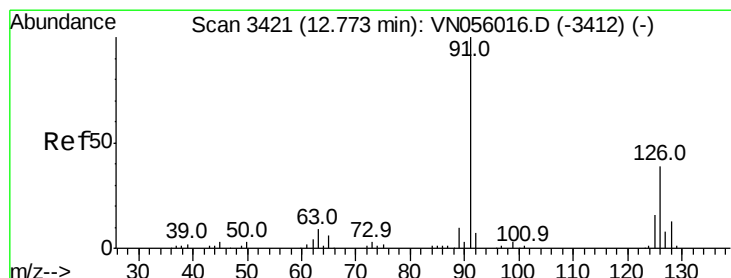
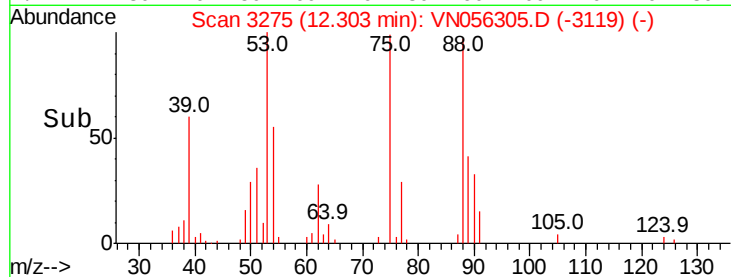
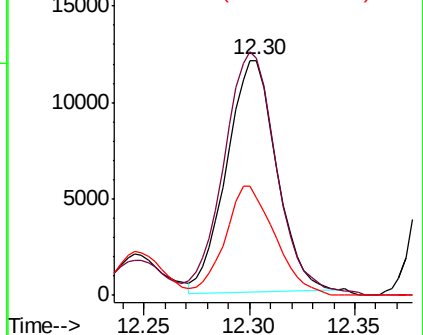
6/17/2019 9:45:52 AM



Abundance Ion 75.00 (74.70 to 75.70): VN056016.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN056016.D (-3264) (-)

Ion 89.00 (88.70 to 89.70): VN056016.D (-3264) (-)



#78

4-Chlorotoluene

Concen: 19.641 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056305.D

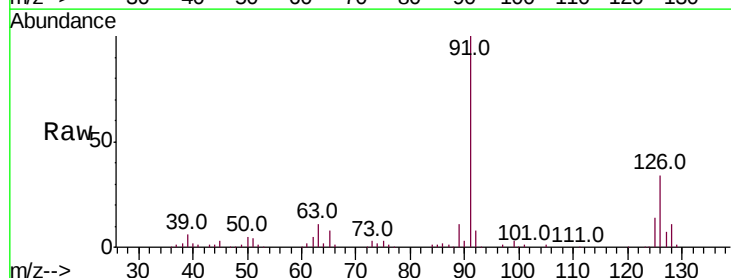
Acq: 14 Jun 2019 11:25

Tgt Ion: 91 Resp: 185847

Ion Ratio Lower Upper

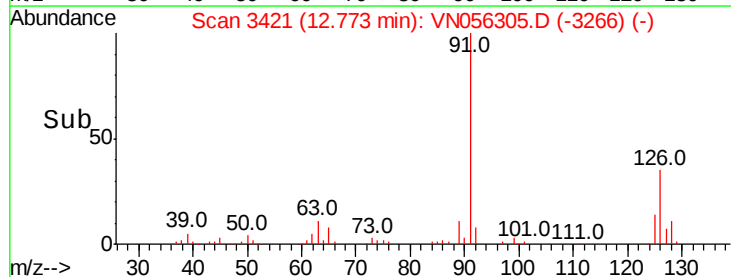
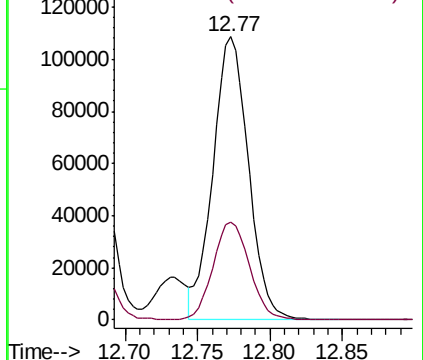
91 100

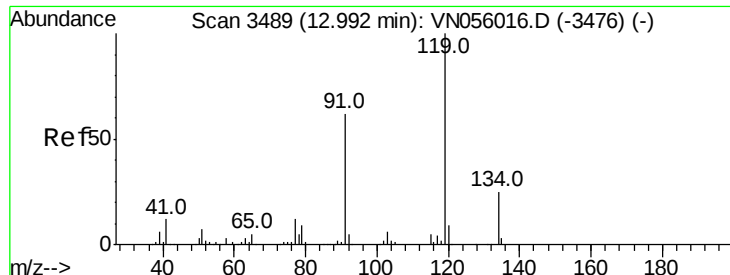
126 35.4 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3412) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3412) (-)





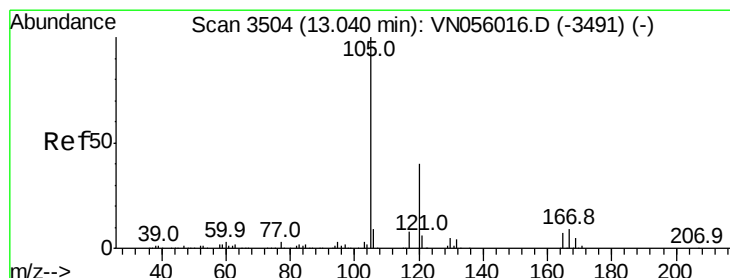
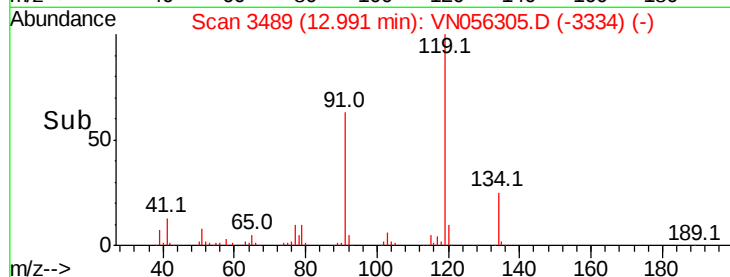
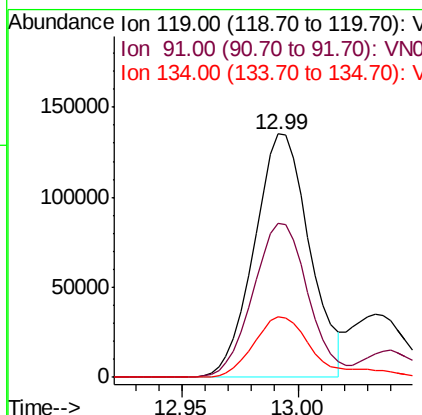
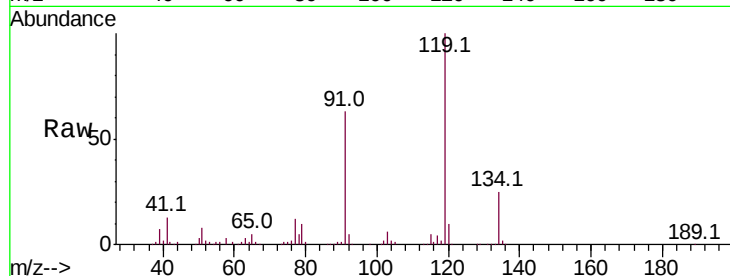
#79
tert-butylbenzene
Concen: 19.935 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampled :
VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	224871		
91	63.0	0.0	122.8	
134	27.5	0.0	50.2	

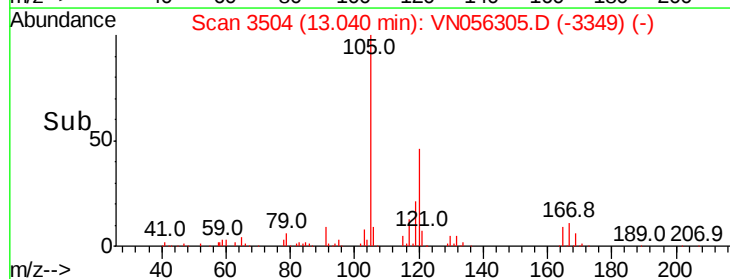
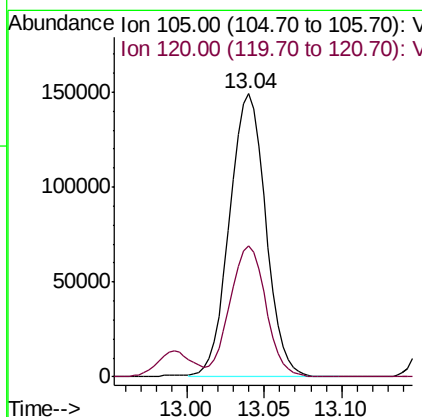
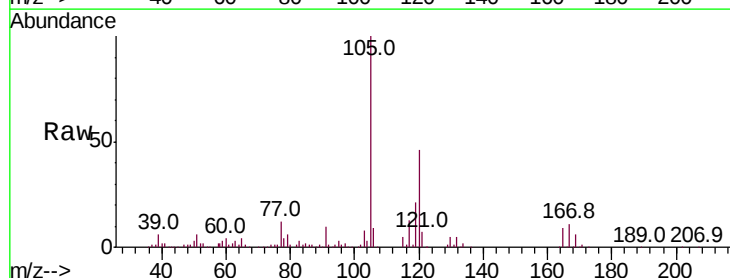
Manual Integrations
APPROVED

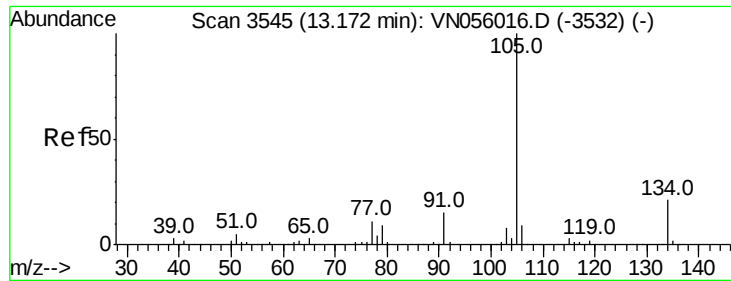
MMDadoda
6/17/2019 9:45:52 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.608 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	242858		
120	46.0	0.0	93.4	





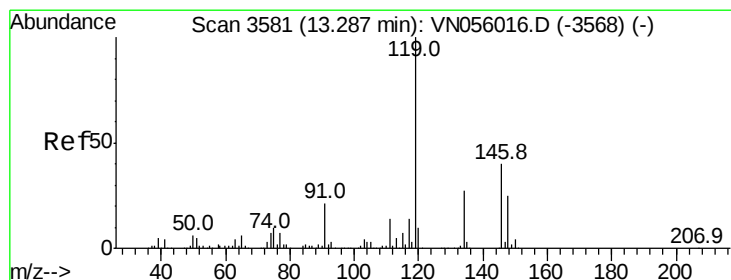
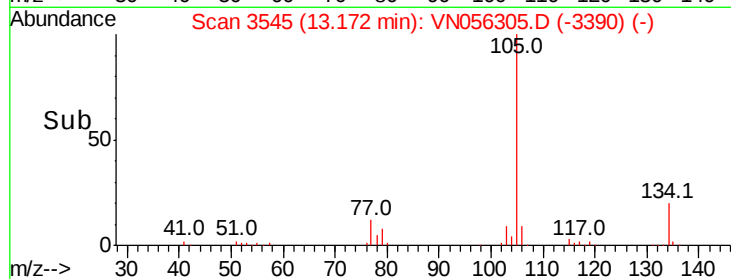
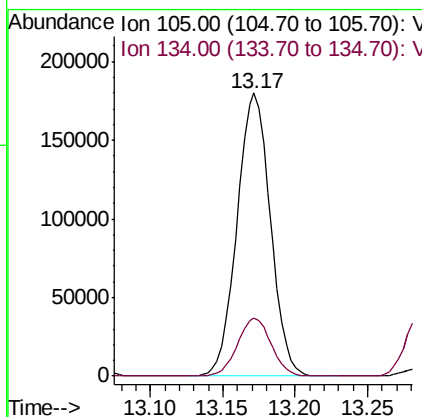
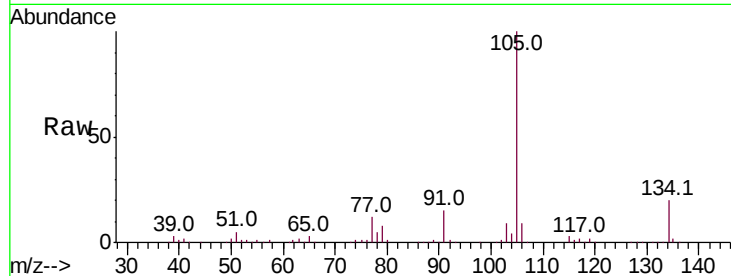
#81
 sec-Butylbenzene
 Concen: 20.153 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	41.8

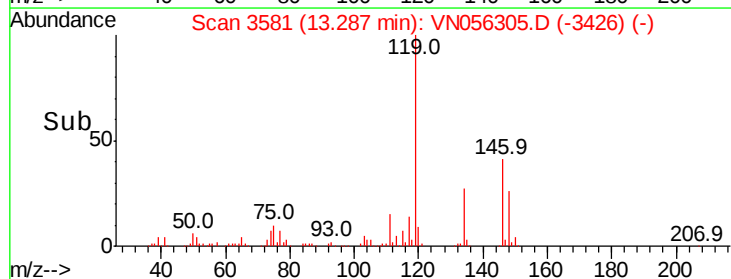
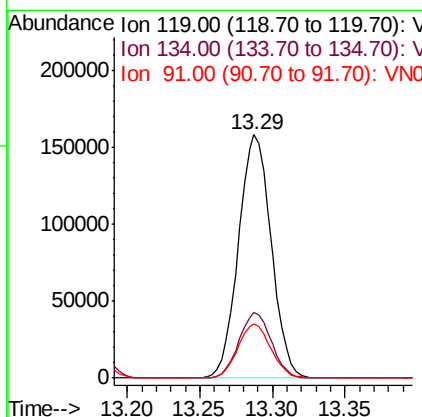
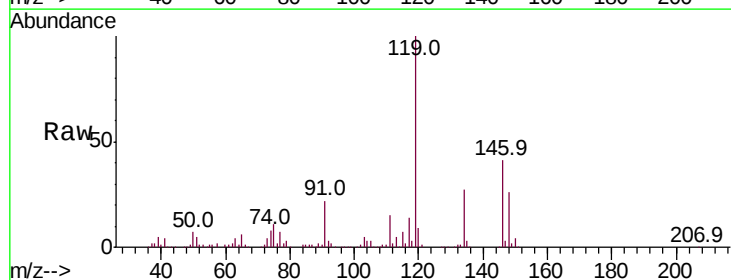
Manual Integrations
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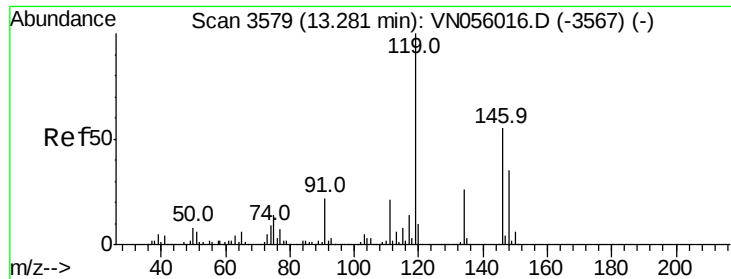
MMDadoda
 6/17/2019 9:45:52 AM



#82
 p-Isopropyltoluene
 Concen: 19.162 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.4
91	22.5	0.0	43.0





#83

1,3-Dichlorobenzene

Concen: 18.819 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056305.D

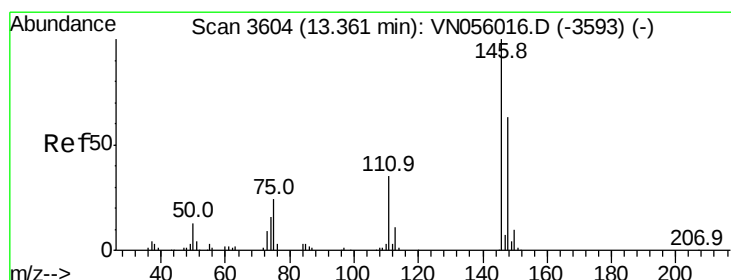
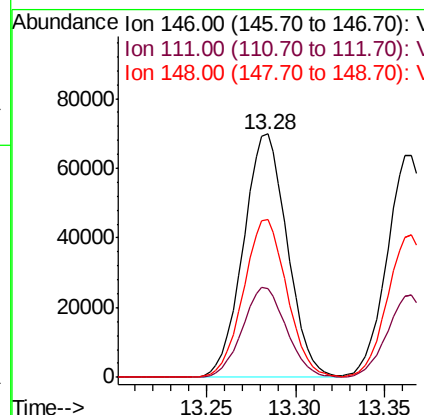
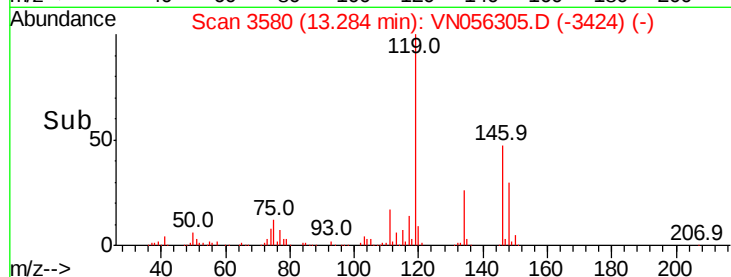
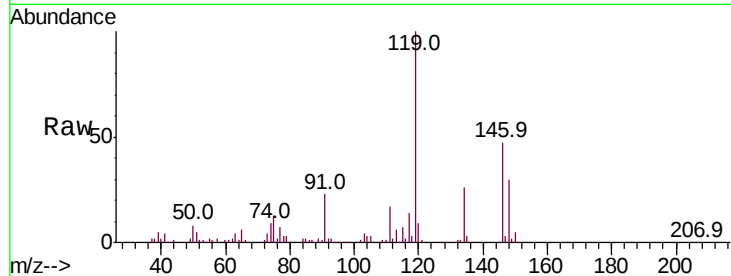
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.2	54.6
148	64.2	31.9	95.9

Manual Integrations
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6/17/2019 9:45:52 AM



#84

1,4-Dichlorobenzene

Concen: 17.903 ug/l

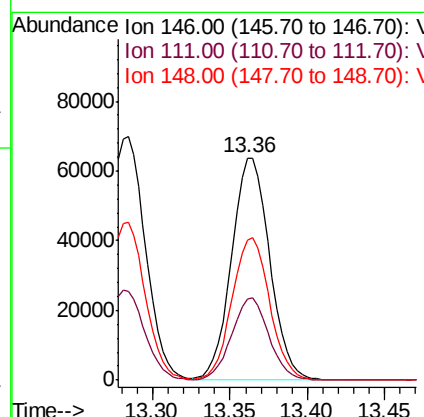
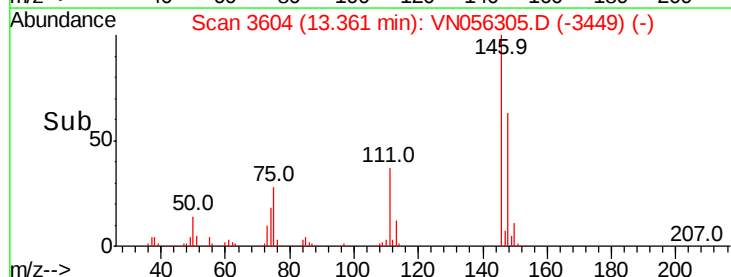
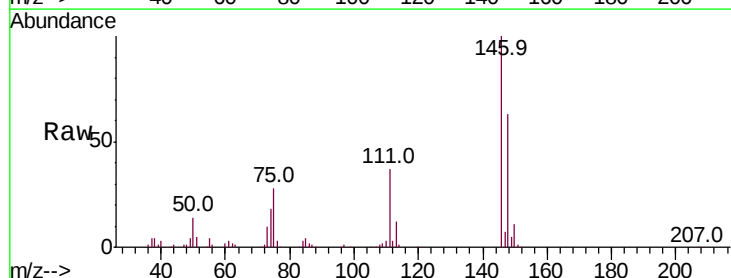
RT: 13.36 min Scan# 3604

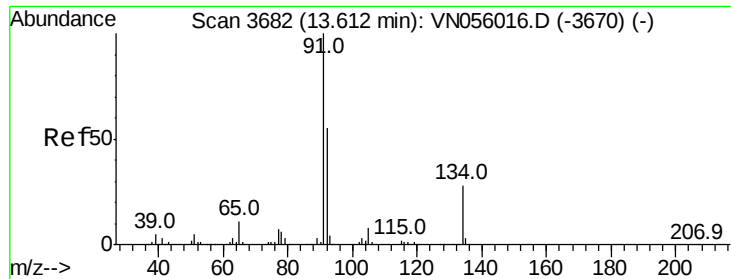
Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.6	52.9
148	63.3	32.1	96.3





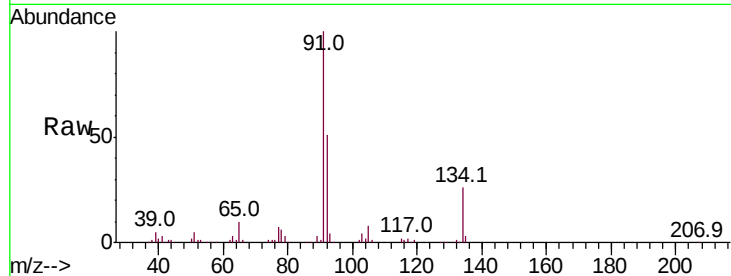
#85
n-Butylbenzene
Concen: 17.341 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	166980		
92	52.1	0.0	107.2	
134	27.0	0.0	55.8	

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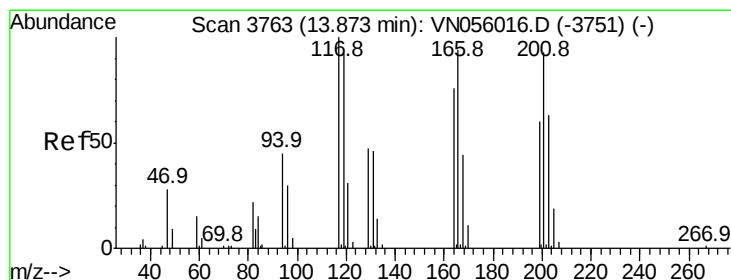
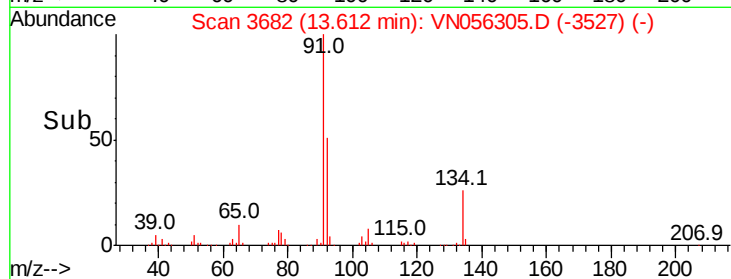
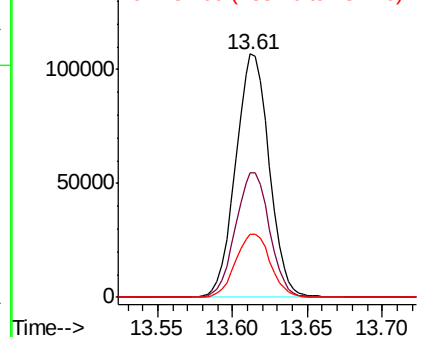
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6/17/2019 9:45:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3670) (-)

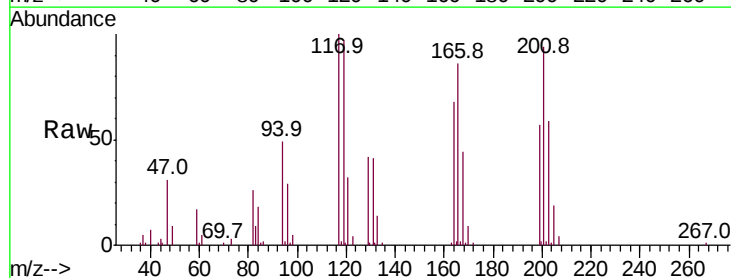
Ion 92.00 (91.70 to 92.70): VN056016.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056016.D (-3670) (-)



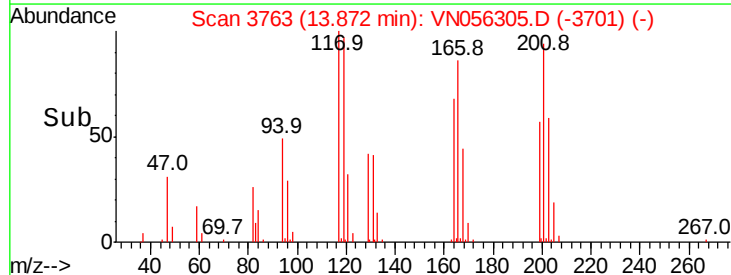
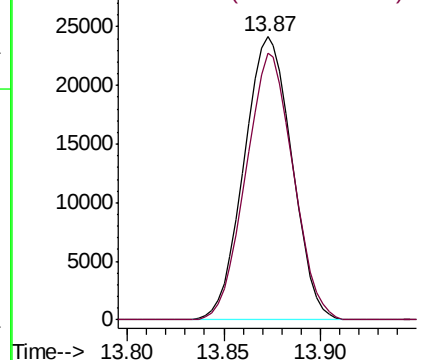
#86
Hexachloroethane
Concen: 20.723 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

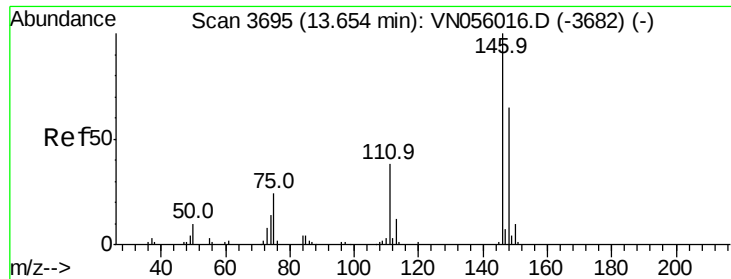
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41680		
201	92.9	48.1	144.4	



Abundance Ion 117.00 (116.70 to 117.70): VN056016.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056016.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 18.515 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Instrument :

MSVOA_N

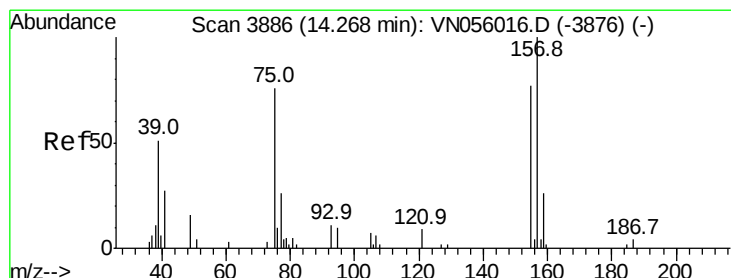
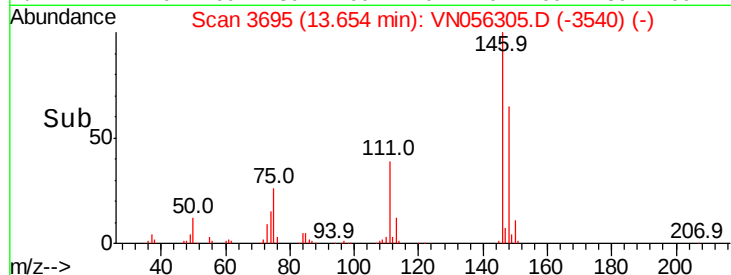
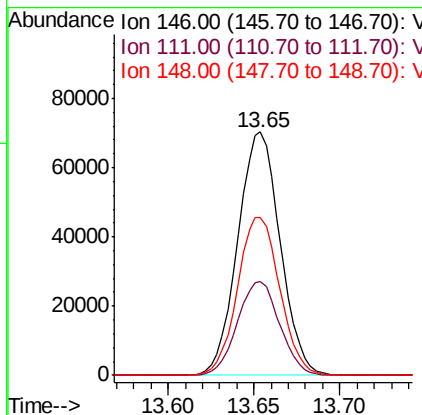
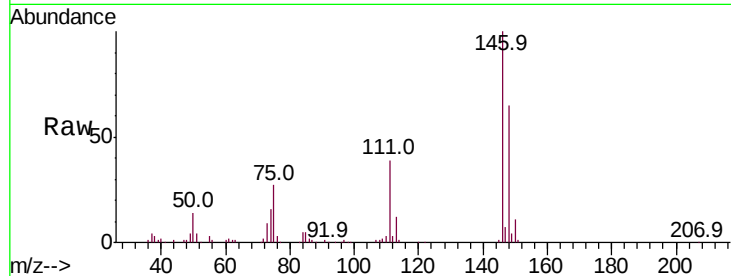
ClientSampleId :

VN0614WBSD01

Tot Ion:	146	Resp:	120499
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.3	57.9
148	64.8	32.6	97.8

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6/17/2019 9:45:52 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.908 ug/l

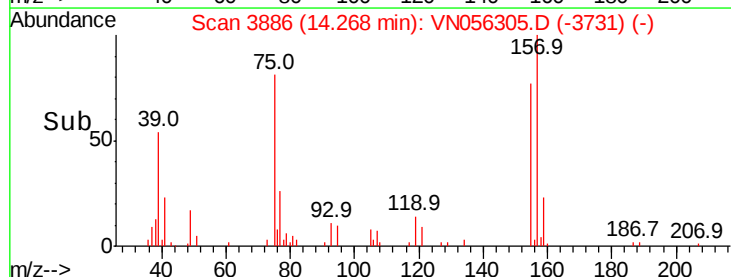
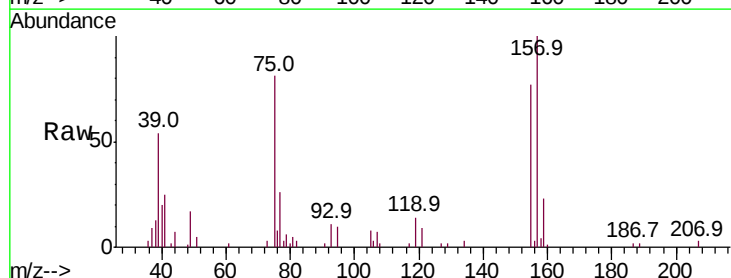
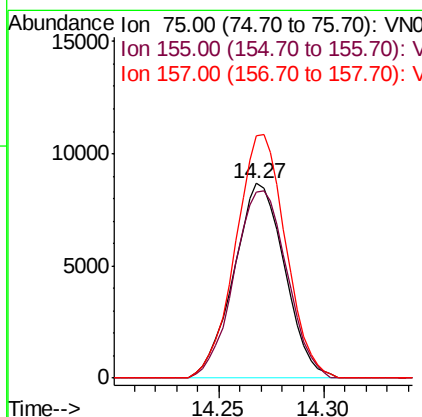
RT: 14.27 min Scan# 3886

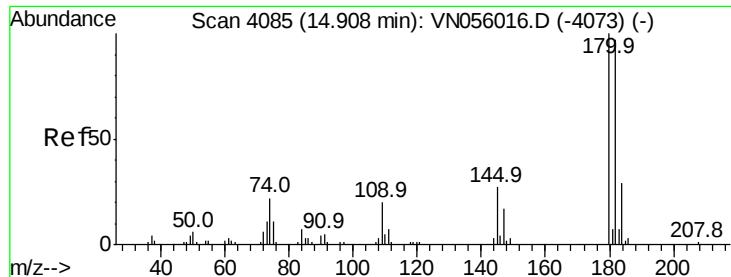
Delta R.T. -0.00 min

Lab File: VN056305.D

Acq: 14 Jun 2019 11:25

Tgt Ion:	75	Resp:	14584
Ion Ratio	Lower	Upper	
75	100		
155	99.6	82.5	123.7
157	123.1	105.1	157.7





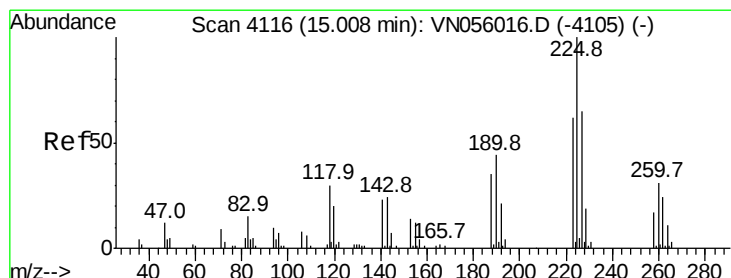
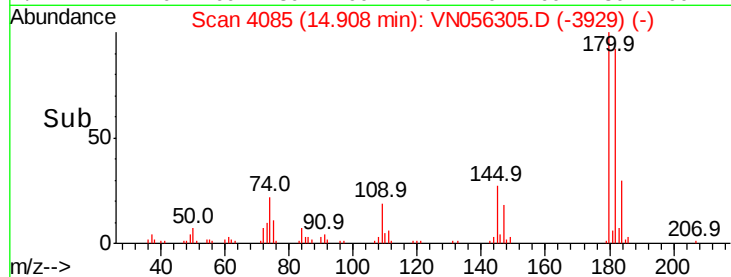
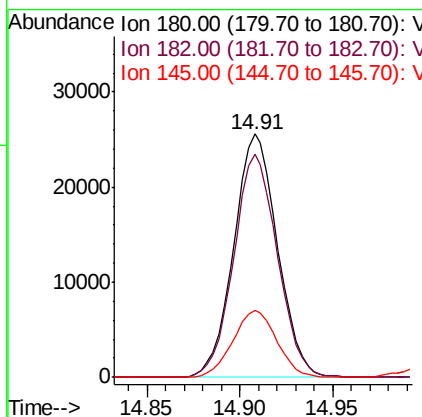
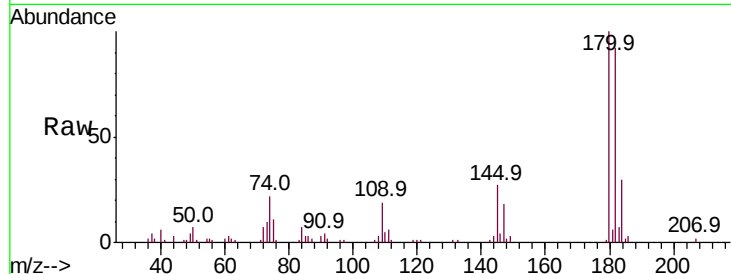
#89
 1,2,4-Trichlorobenzene
 Concen: 17.698 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	75.0	112.6
145	27.7	22.1	33.1

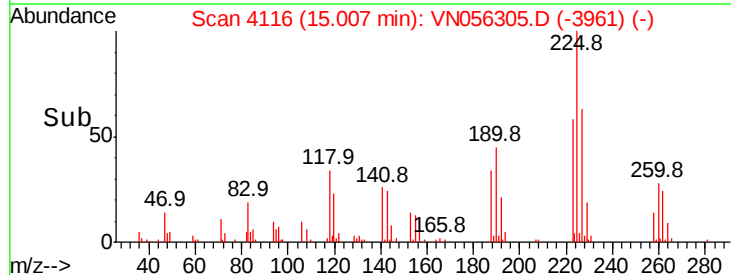
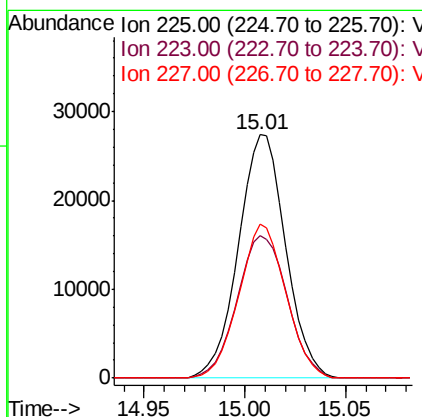
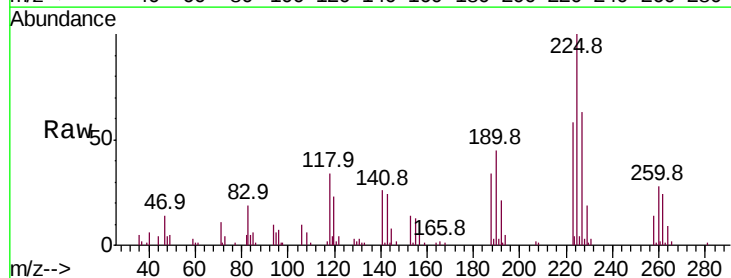
Manual Integrations
 APPROVED

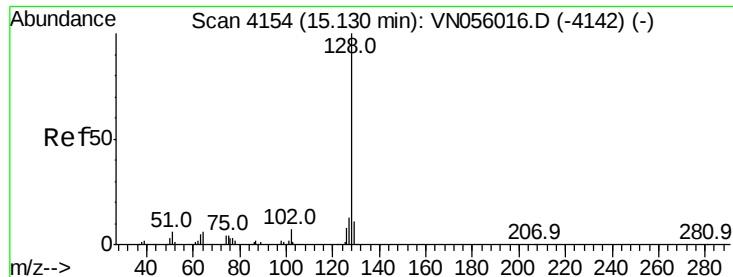
MMDadoda
 6/17/2019 9:45:52 AM



#90
 Hexachlorobutadiene
 Concen: 18.909 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056305.D
 Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	125.6
227	62.7	0.0	128.6





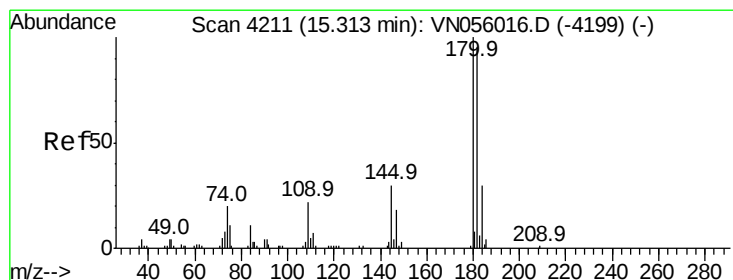
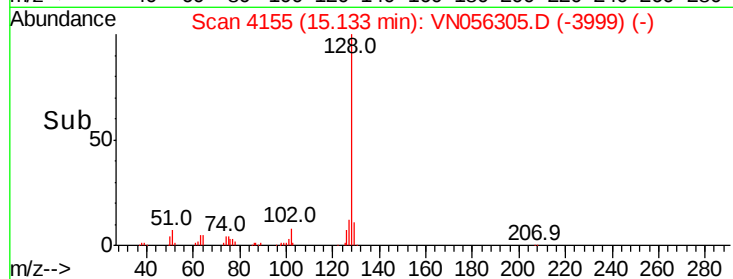
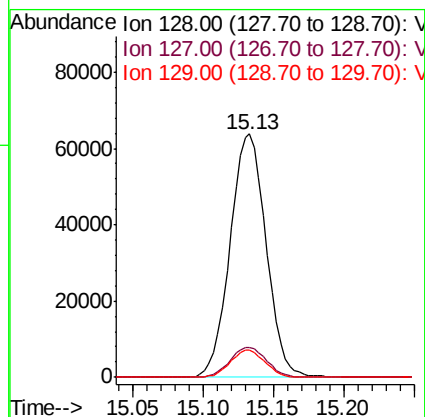
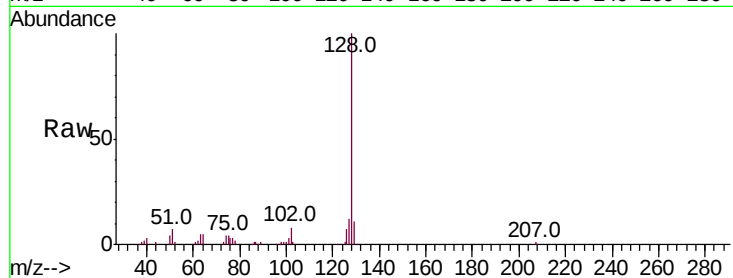
#91
Naphthalene
Concen: 13.190 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
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#92
1,2,3-Trichlorobenzene
Concen: 14.827 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056305.D
Acq: 14 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	0.0	193.4
145	28.9	0.0	59.8

