

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055941.D
 Acq On : 1 Jun 2019 2:01
 Operator : JC/SP
 Sample : VN0531WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:39 PM

Quant Time: Jun 03 08:57:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	292749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	448749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	392206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	167331	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.59	113	146899	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.09	98	553548	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	177889	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	36657	18.605	ug/l	99
3) Chloromethane	2.06	50	51899	18.801	ug/l	99
4) Vinyl Chloride	2.18	62	57692	19.594	ug/l	100
5) Bromomethane	2.53	94	39957	21.692	ug/l	97
6) Chloroethane	2.68	64	37513	21.162	ug/l	97
7) Trichlorofluoromethane	3.00	101	79191	20.515	ug/l	100
8) Diethyl Ether	3.40	74	37236	21.523	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	48798	20.252	ug/l	98
10) Methyl Iodide	3.94	142	73723	20.927	ug/l	100
11) Tert butyl alcohol	4.81	59	57950	100.321	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49778	19.993	ug/l	99
13) Acrolein	3.60	56	23189	56.064	ug/l	98
14) Allyl chloride	4.31	41	78967	18.501	ug/l	98
15) Acrylonitrile	4.99	53	149053	112.372	ug/l	99
16) Acetone	3.82	43	122998	92.551	ug/l	98
17) Carbon Disulfide	4.04	76	101263	14.315	ug/l	99
18) Methyl Acetate	4.33	43	69647	25.150	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178009	21.437	ug/l	99
20) Methylene Chloride	4.54	84	61676	21.429	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	53999	20.188	ug/l	95
22) Diisopropyl ether	5.95	45	181171	21.824	ug/l	96
23) Vinyl Acetate	5.90	43	713680	100.271	ug/l	99
24) 1,1-Dichloroethane	5.84	63	102599	21.227	ug/l	100
25) 2-Butanone	6.84	43	197362	106.337	ug/l	99
26) 2,2-Dichloropropane	6.82	77	54306	12.982	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	67266	21.555	ug/l	96
28) Bromochloromethane	7.19	49	52181	22.675	ug/l	100
29) Tetrahydrofuran	7.22	42	131024	111.476	ug/l	100
30) Chloroform	7.37	83	106402	22.074	ug/l	99
31) Cyclohexane	7.65	56	89500	19.723	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	85691	19.922	ug/l	98
36) 1,1-Dichloropropene	7.79	75	71625	18.315	ug/l	98
37) Ethyl Acetate	6.93	43	79460	21.023	ug/l	98
38) Carbon Tetrachloride	7.77	117	70299	17.258	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	87065	17.979	ug/l	98
40) Benzene	8.04	78	239982	20.362	ug/l	99
41) Methacrylonitrile	7.18	41	36871	19.309	ug/l	96
42) 1,2-Dichloroethane	8.12	62	81318	21.115	ug/l	99
43) Isopropyl Acetate	8.17	43	122327	19.263	ug/l #	93
44) Trichloroethene	8.83	130	66066	20.107	ug/l	98
45) 1,2-Dichloropropane	9.12	63	63689	20.741	ug/l	100
46) Dibromomethane	9.21	93	42018	20.865	ug/l	98
47) Bromodichloromethane	9.40	83	76696	18.573	ug/l	97
48) Methyl methacrylate	9.20	41	60568	20.694	ug/l	99
49) 1,4-Dioxane	9.20	88	24807	407.869	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	391641	104.421	ug/l	100
52) Toluene	10.16	92	150905	20.358	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	72662	16.485	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	86188	17.650	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	62899	21.181	ug/l	98
56) Ethyl methacrylate	10.43	69	90389	19.695	ug/l	98
57) 1,3-Dichloropropane	10.71	76	101615	21.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	148559	84.704	ug/l	99
59) 2-Hexanone	10.75	43	268927	101.074	ug/l	99
60) Dibromochloromethane	10.90	129	59153	17.099	ug/l	100
61) 1,2-Dibromoethane	11.01	107	63860	20.733	ug/l	99
64) Tetrachloroethene	10.63	164	71141	21.506	ug/l	98
65) Chlorobenzene	11.43	112	160645	20.460	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59143	18.887	ug/l	99
67) Ethyl Benzene	11.51	91	282037	20.031	ug/l	98
68) m/p-Xylenes	11.62	106	212599	39.940	ug/l	99
69) o-Xylene	11.95	106	106048	20.081	ug/l	100
70) Styrene	11.96	104	168281	19.677	ug/l	99
71) Bromoform	12.13	173	39808	14.904	ug/l #	98
73) Isopropylbenzene	12.25	105	278890	24.416	ug/l	100
74) N-amyl acetate	12.07	43	96279	22.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	83789	24.461	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	70110m	25.213	ug/l	
77) Bromobenzene	12.53	156	72515	22.346	ug/l	98
78) n-propylbenzene	12.59	91	283709	21.465	ug/l	100
79) 2-Chlorotoluene	12.67	91	180777	24.070	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	226761	23.549	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	16491	14.590	ug/l #	84
82) 4-Chlorotoluene	12.77	91	165756	21.334	ug/l	99
83) tert-Butylbenzene	12.99	119	207759	24.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	217531	22.648	ug/l	99
85) sec-Butylbenzene	13.17	105	254907	23.655	ug/l	100
86) p-Isopropyltoluene	13.29	119	222905	21.106	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	108832	21.180	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	100830	20.639	ug/l	100
89) n-Butylbenzene	13.61	91	151779	18.757	ug/l	100
90) Hexachloroethane	13.87	117	34985	17.404	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	110829	21.618	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11851	17.588	ug/l	95

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ALS Vial : 40 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0531WBSD02

Manual Integrations
APPROVED

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Quant Time: Jun 03 08:57:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43643	17.357	ug/l	100
94) Hexachlorobutadiene	15.01	225	38213	20.087	ug/l	98
95) Naphthalene	15.13	128	128219	18.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51008	18.822	ug/l	99

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

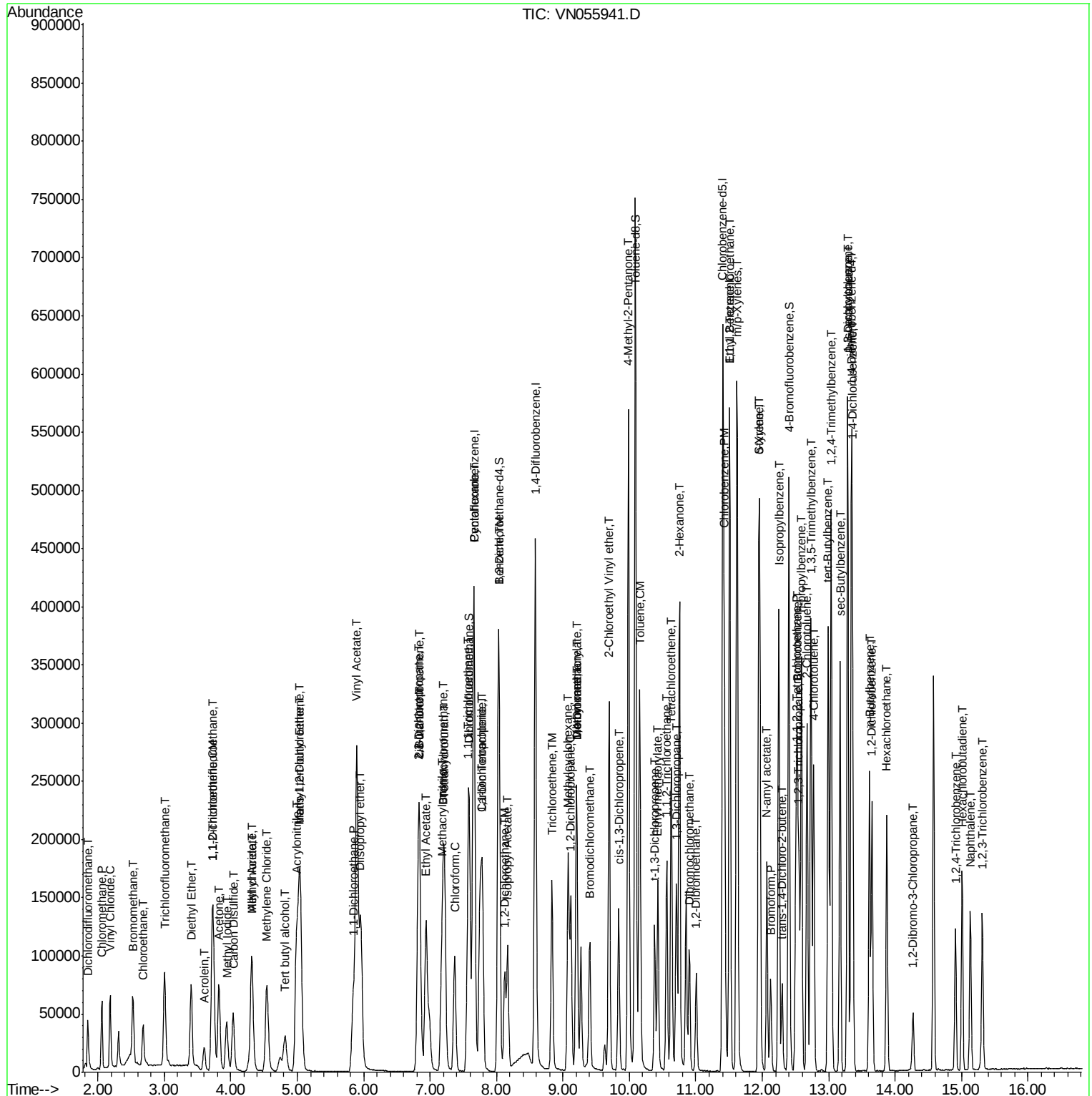
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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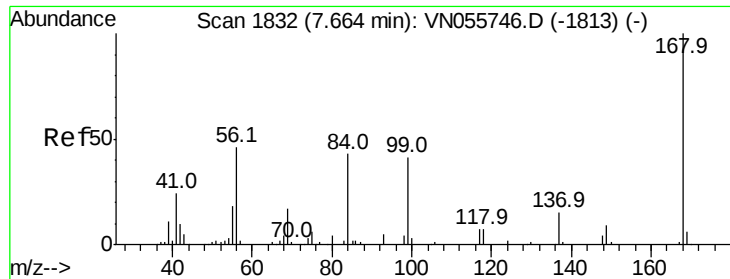
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0531WBSD02

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion:168 Resp: 292749

Ion Ratio Lower Upper

168 100

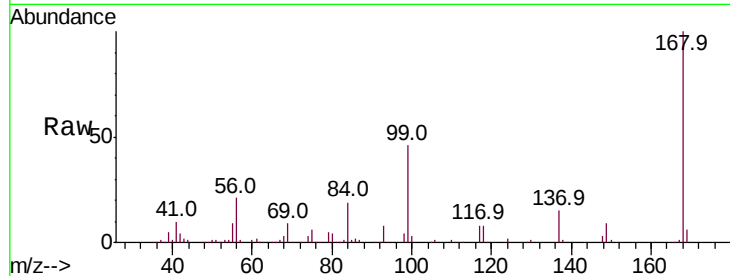
99 45.8 37.2 55.8

Manual Integrations

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6/3/2019 4:12:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

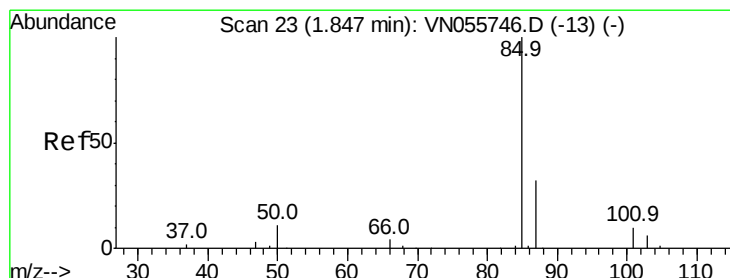
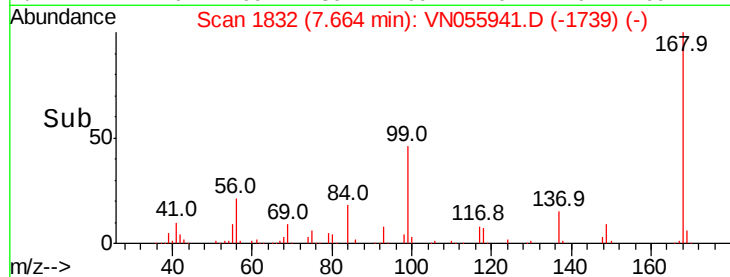
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.605 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055941.D

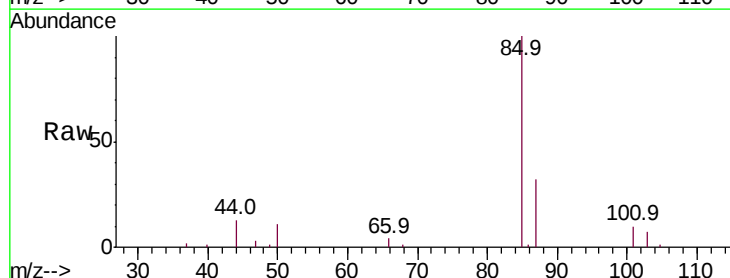
Acq: 1 Jun 2019 2:01

Tgt Ion: 85 Resp: 36657

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

25000

20000

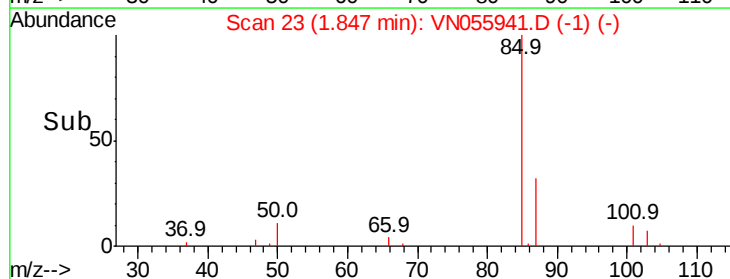
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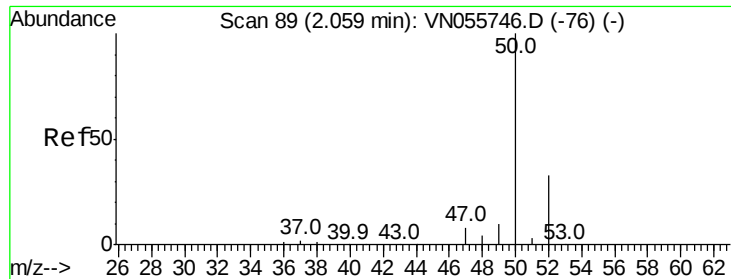
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5000

0

Time-->





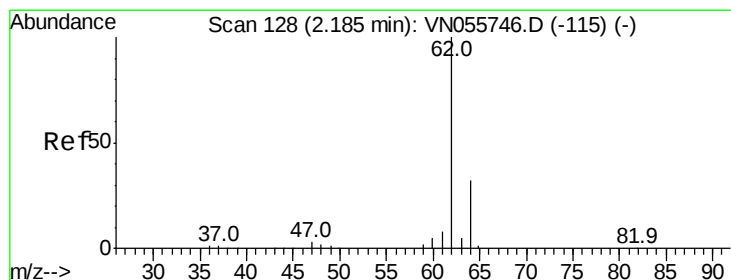
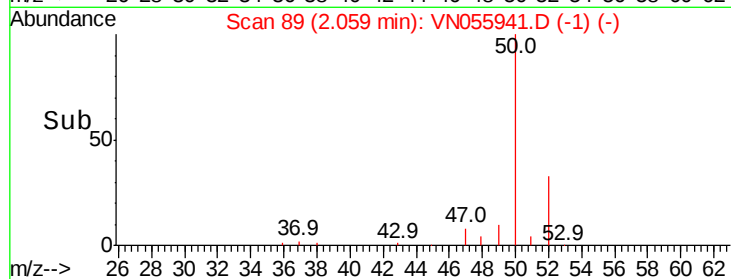
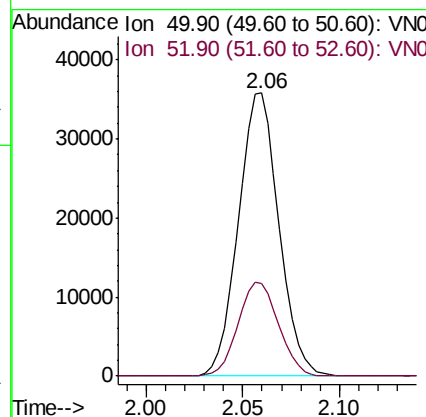
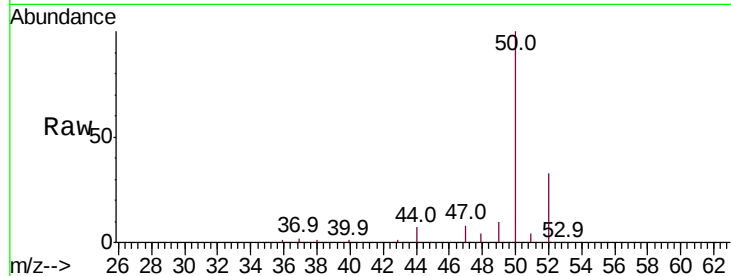
#3
Chloromethane
Concen: 18.801 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	50	52	Ratio	Lower	Upper
50	100				
52	32.9		26.6	40.0	

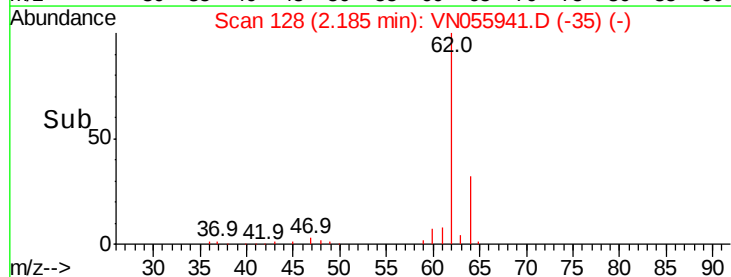
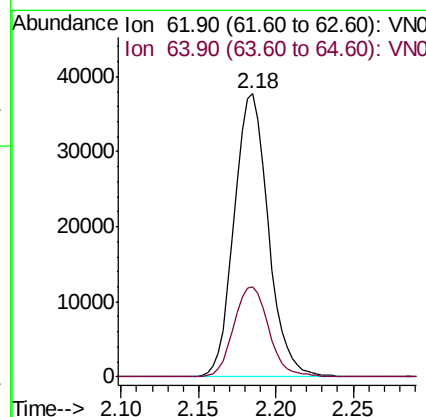
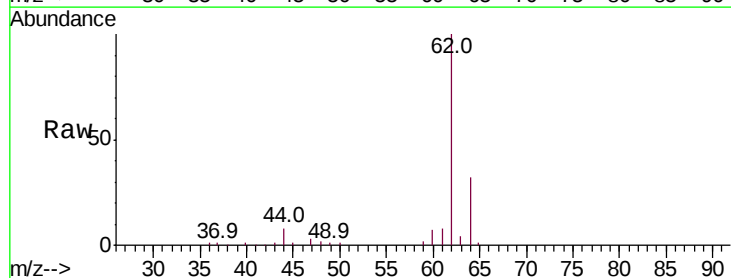
Manual Integrations
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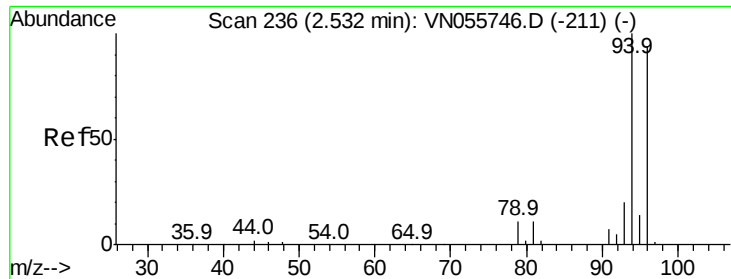
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#4
Vinyl Chloride
Concen: 19.594 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	62	64	Ratio	Lower	Upper
62	100				
64	31.9		25.6	38.4	





#5

Bromomethane

Concen: 21.692 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 94 Resp: 39957

Ion Ratio Lower Upper

94 100

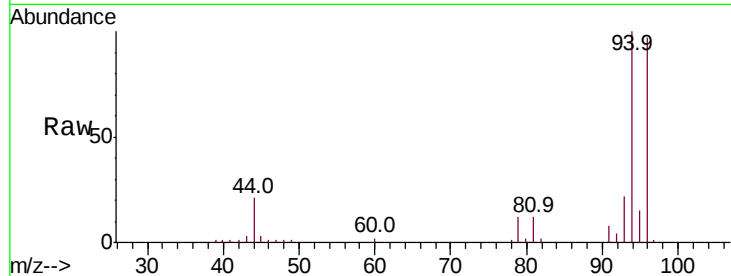
96 97.3 75.5 113.3

Manual Integrations

APPROVED

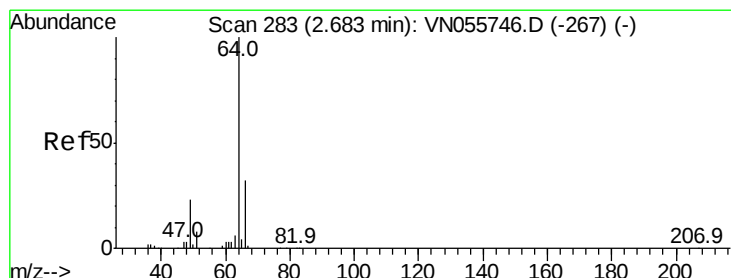
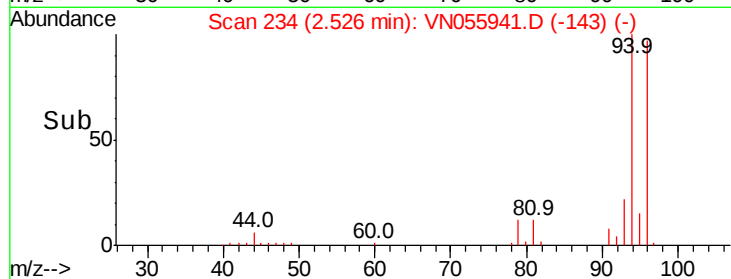
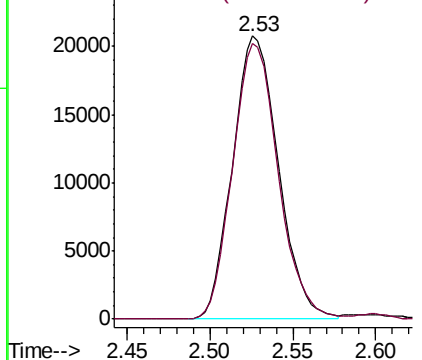
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.162 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055941.D

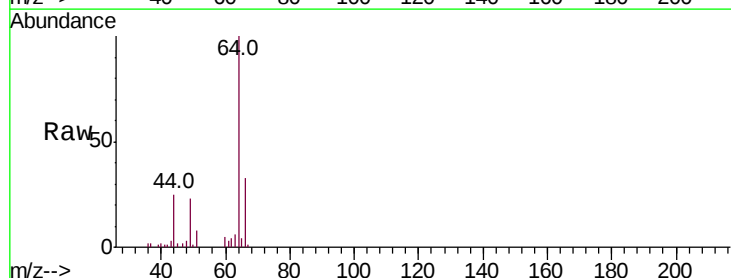
Acq: 1 Jun 2019 2:01

Tgt Ion: 64 Resp: 37513

Ion Ratio Lower Upper

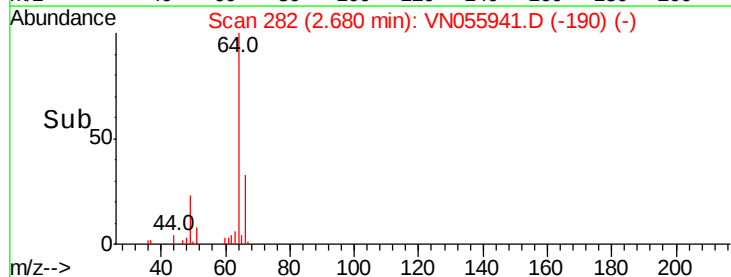
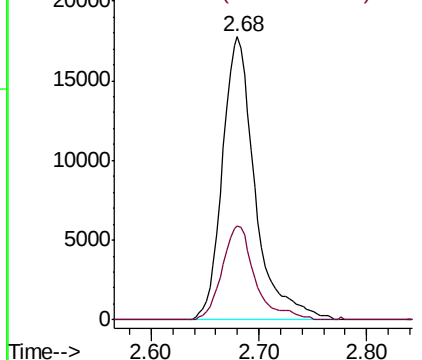
64 100

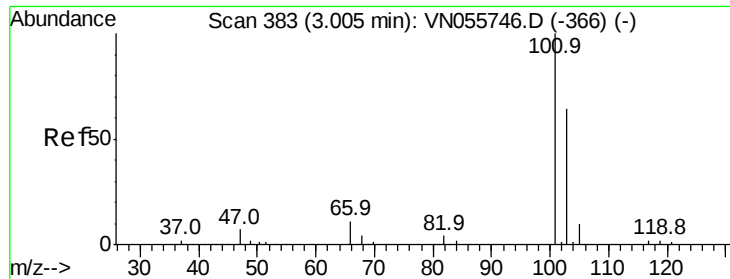
66 33.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

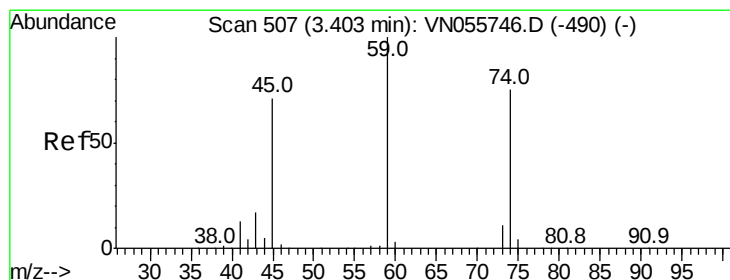
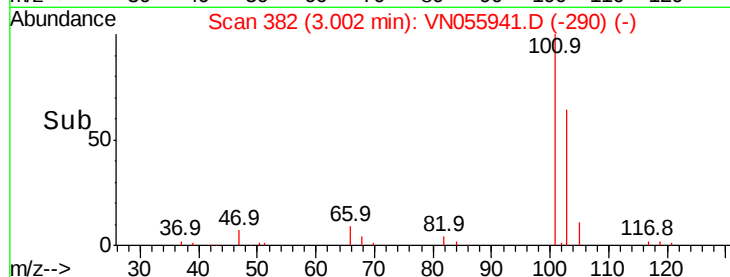
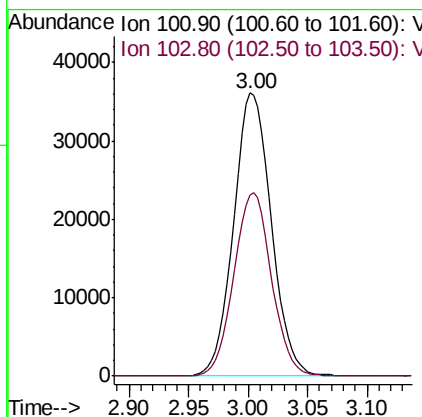
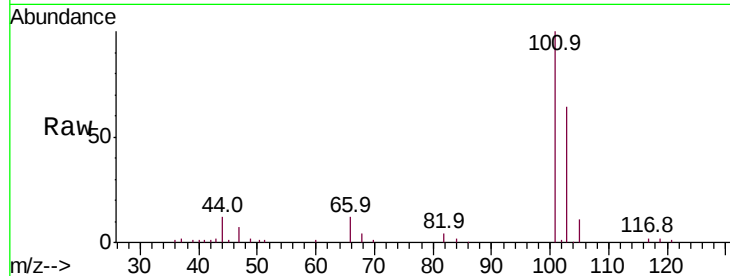
Trichlorofluoromethane
Concen: 20.515 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

Manual Integrations
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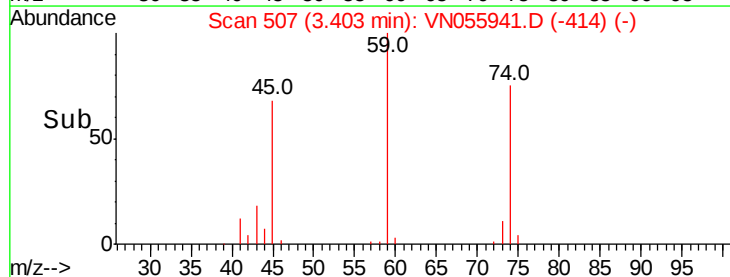
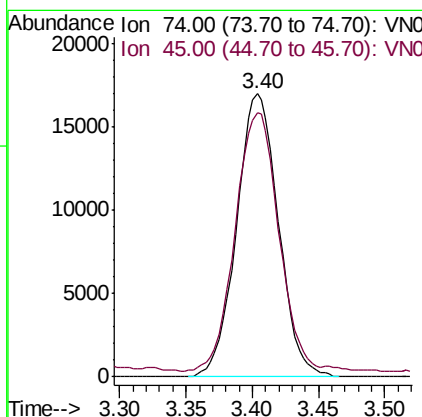
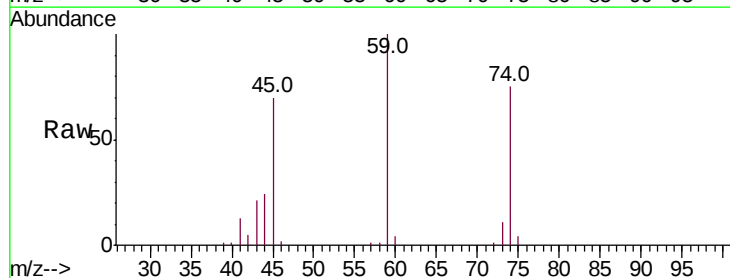
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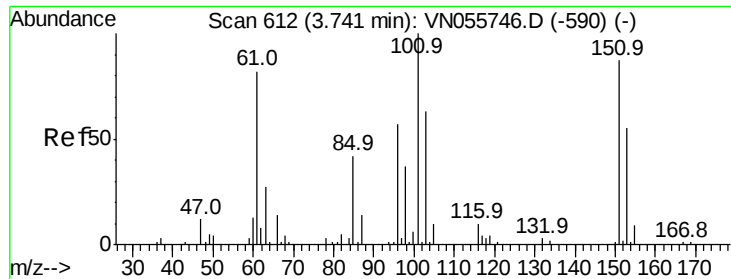


#8

Diethyl Ether
Concen: 21.523 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.252 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

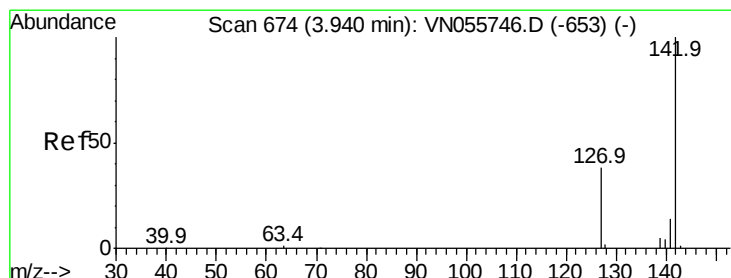
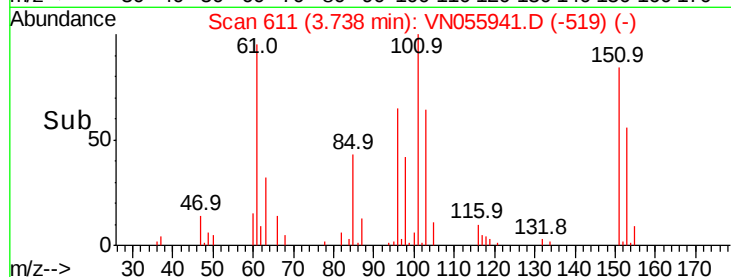
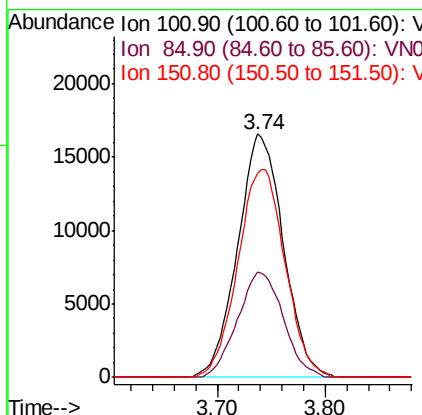
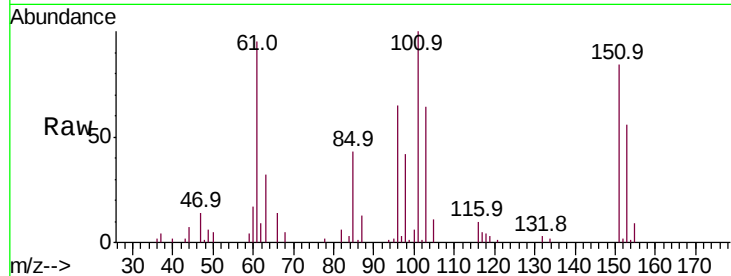
ClientSampleId :

VN0531WBSD02

Tot Ion:	101	Resp:	48798
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.4	50.2
151	88.0	69.4	104.2

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#10

Methyl Iodide

Concen: 20.927 ug/l

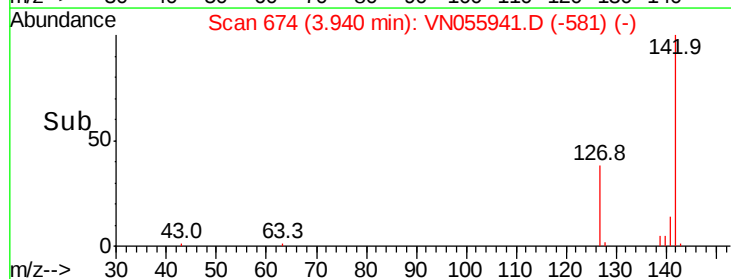
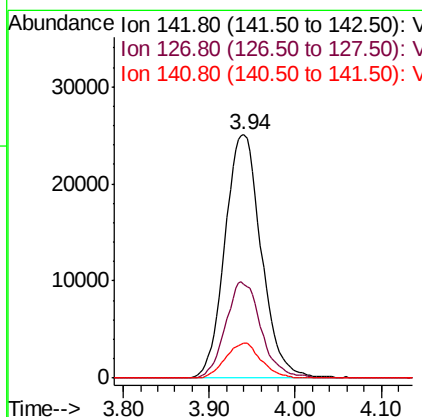
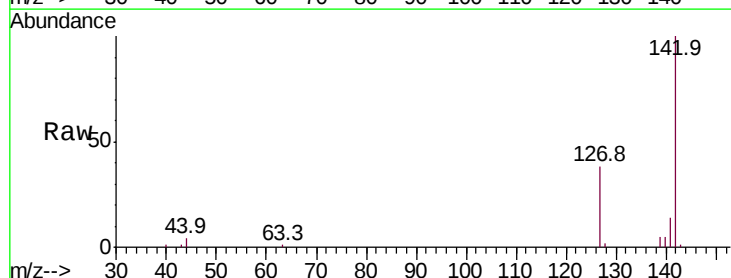
RT: 3.94 min Scan# 674

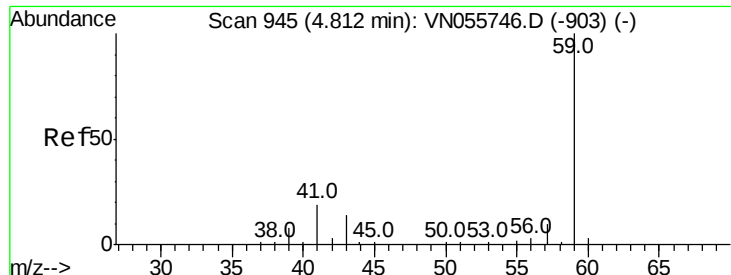
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	142	Resp:	73723
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	13.9	11.4	17.0





#11

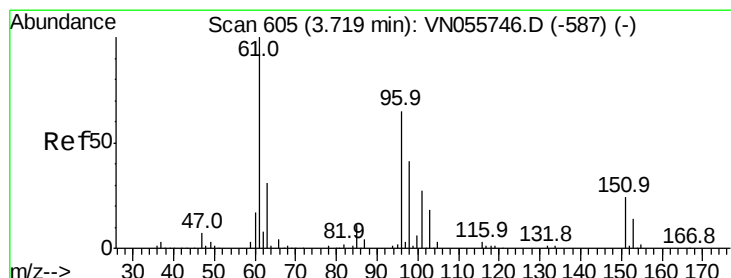
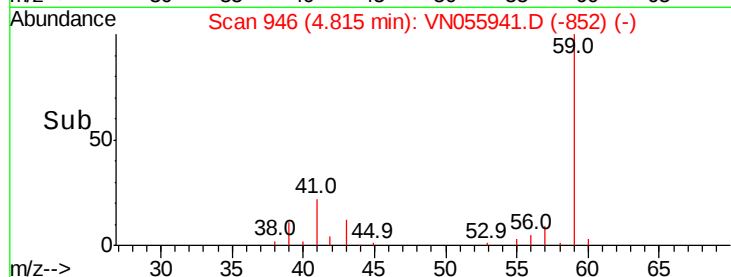
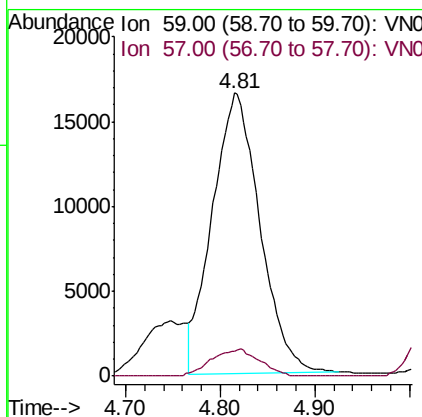
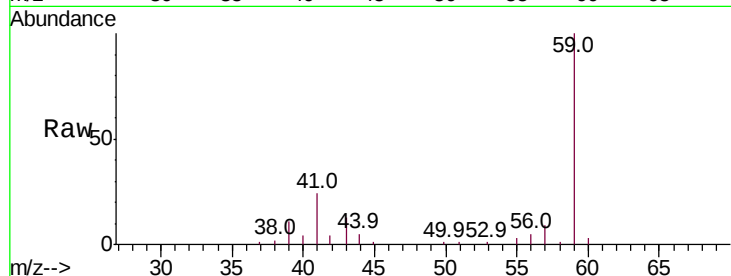
Tert butyl alcohol
 Concen: 100.321 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	57950		
57	9.7		7.8	11.6

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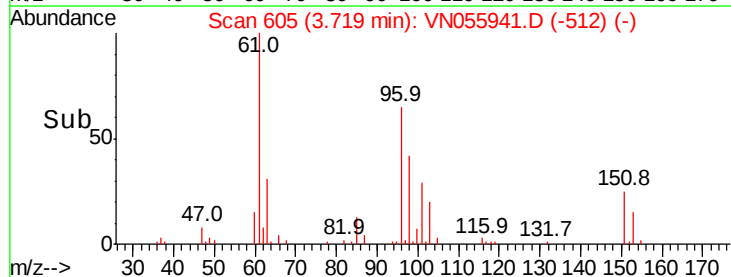
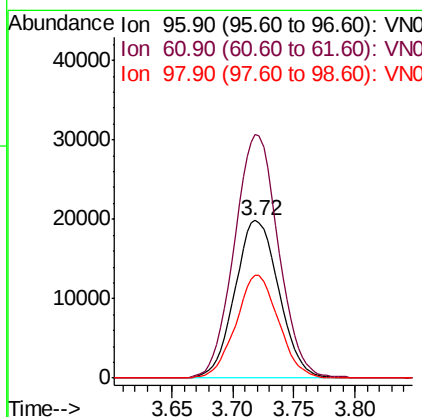
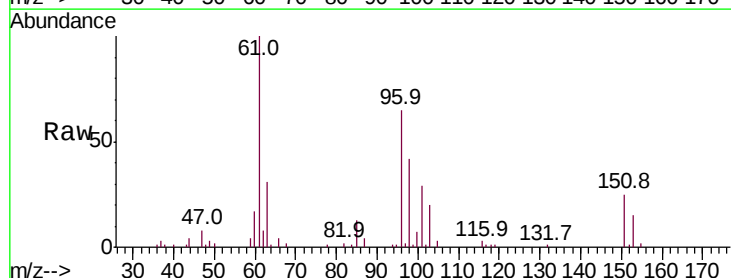
MMDadoda
 6/3/2019 4:12:39 PM

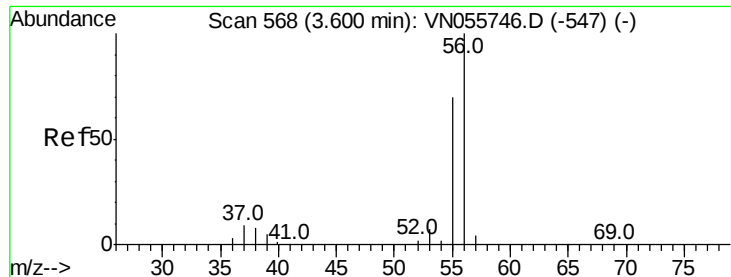


#12

1,1-Dichloroethene
 Concen: 19.993 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	49778		
61	154.3		123.2	184.8
98	65.3		50.4	75.6





#13

Acrolein

Concen: 56.064 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampled :

VN0531WBSD02

Tot Ion: 56 Resp: 23189

Ion Ratio Lower Upper

56 100

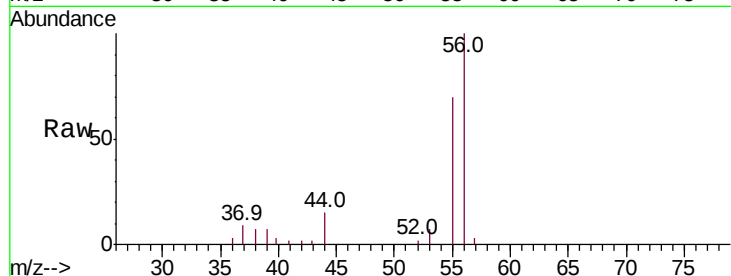
55 71.2 55.4 83.2

Manual Integrations

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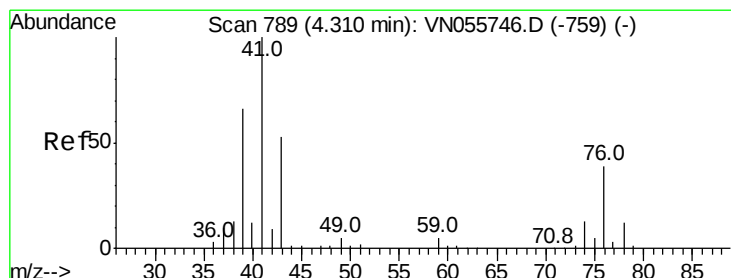
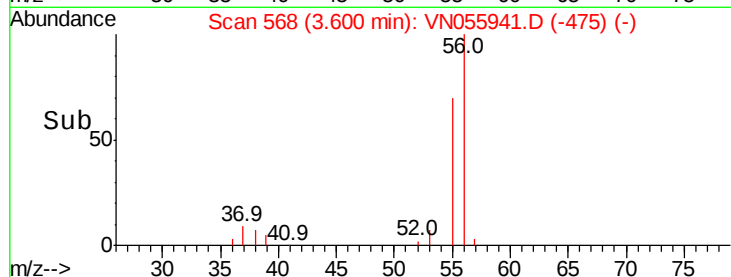
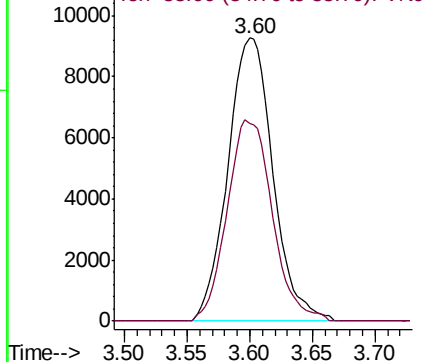
MMDadoda

6/3/2019 4:12:39 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.501 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

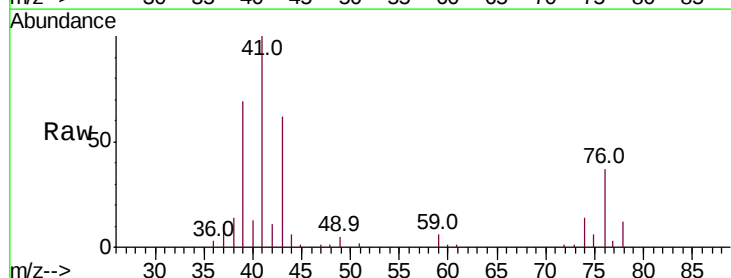
Tgt Ion: 41 Resp: 78967

Ion Ratio Lower Upper

41 100

39 63.6 50.0 75.0

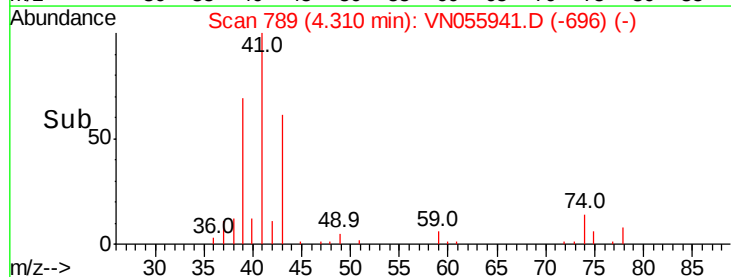
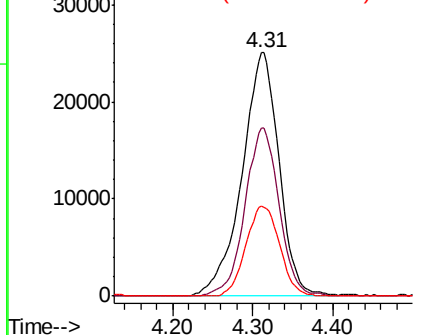
76 33.6 28.2 42.2

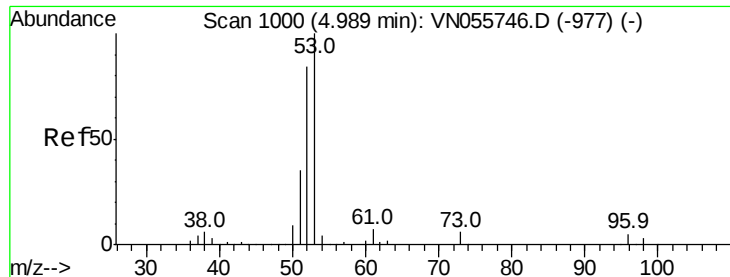


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.372 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

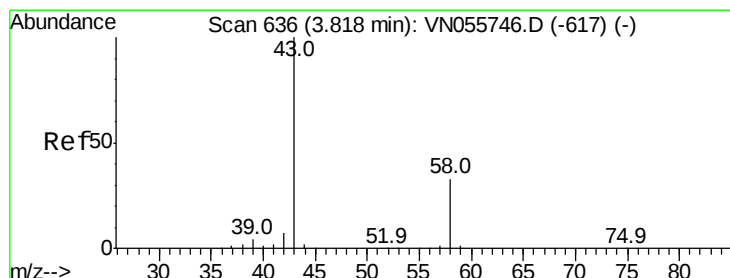
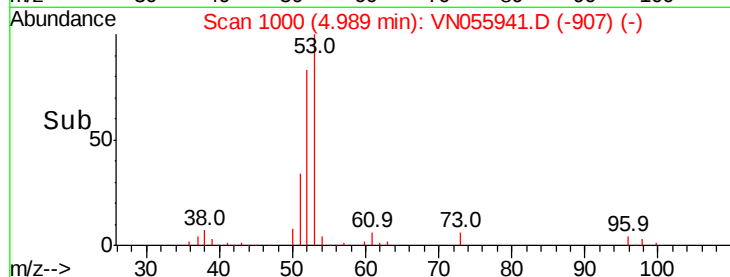
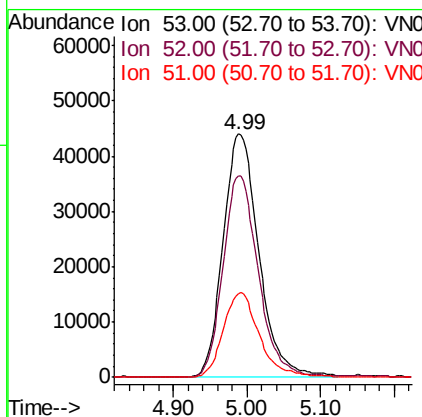
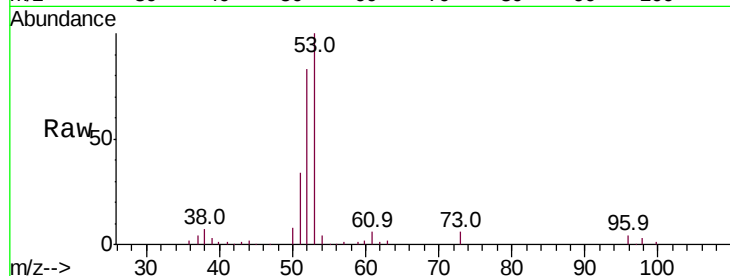
ClientSampleId :

VN0531WBSD02

Tot Ion:	53	Resp:	149053
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.8	98.8
51	34.9	28.2	42.4

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 92.551 ug/l

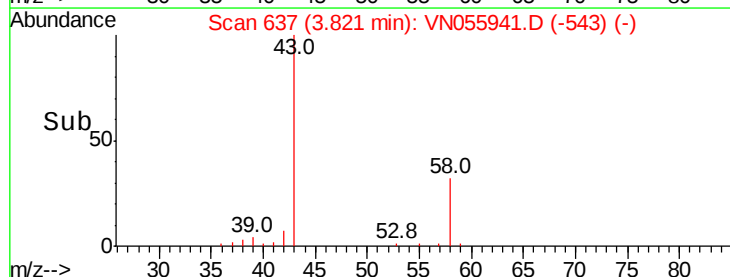
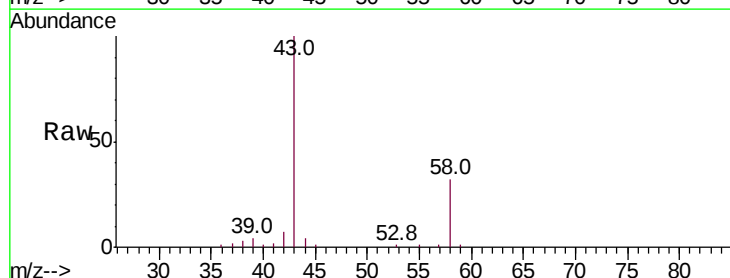
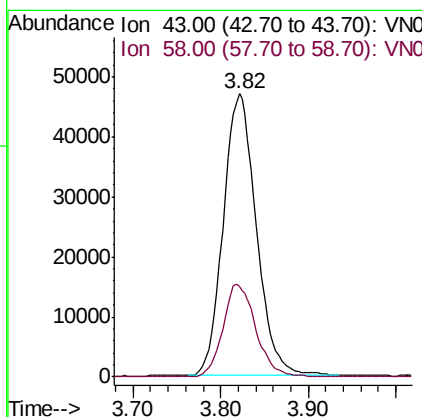
RT: 3.82 min Scan# 637

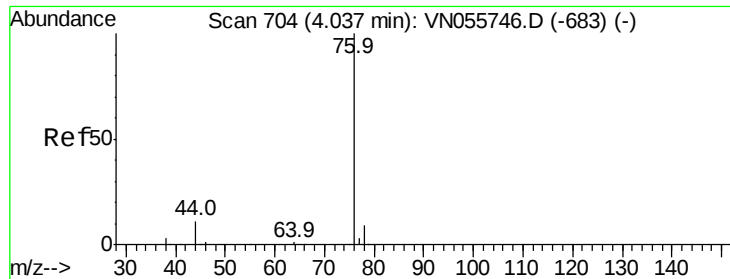
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	43	Resp:	122998
Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.6	39.8





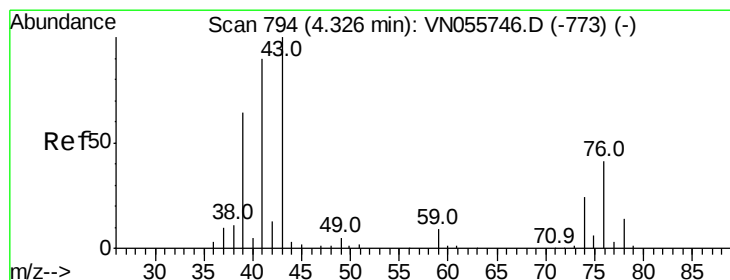
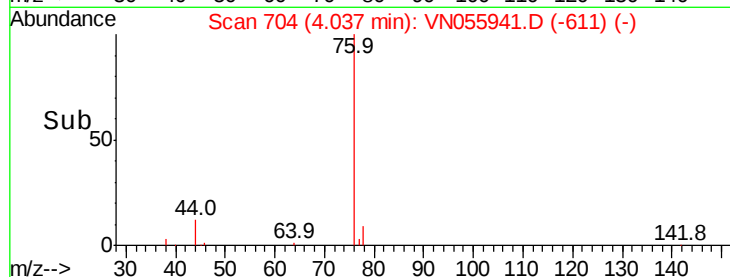
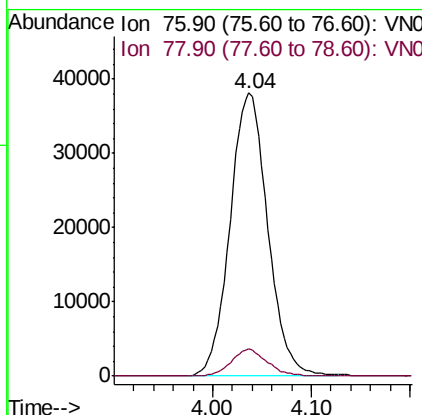
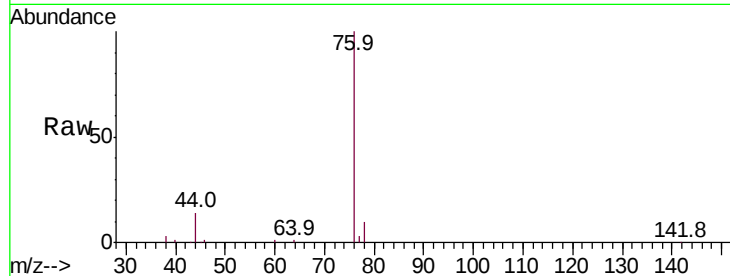
#17
Carbon Disulfide
Concen: 14.315 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

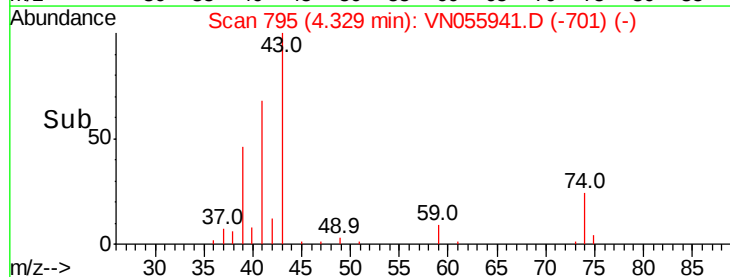
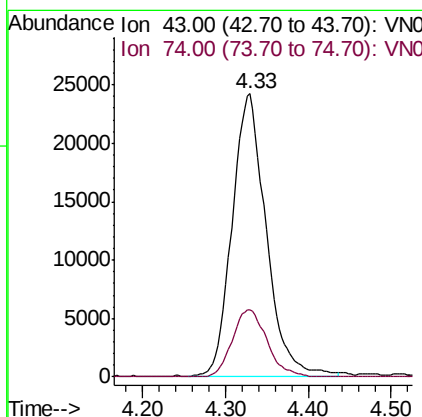
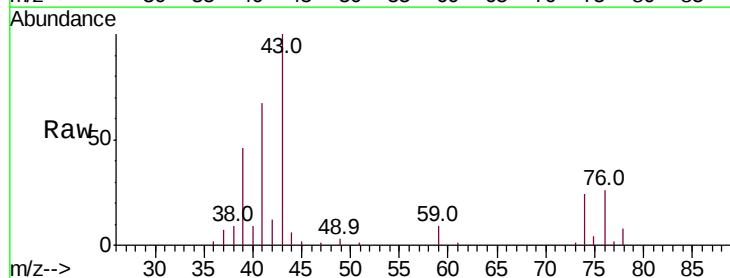
Manual Integrations
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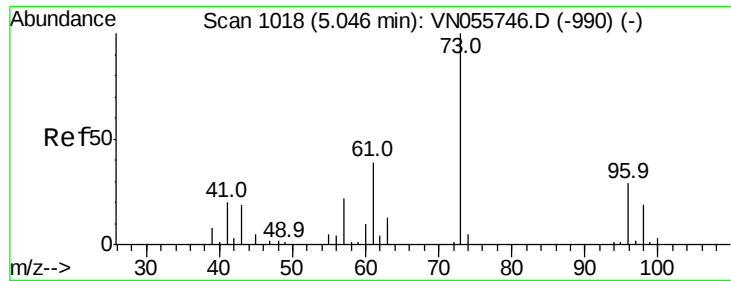
MMDadoda
6/3/2019 4:12:39 PM



#18
Methyl Acetate
Concen: 25.150 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.3	28.9





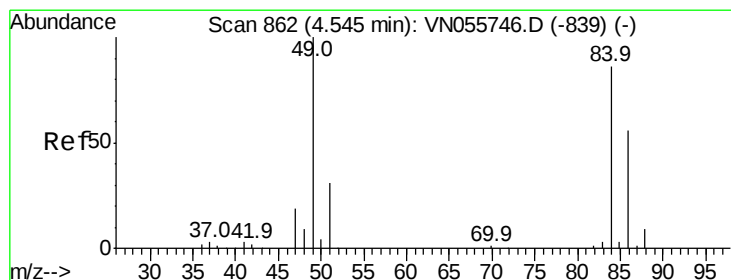
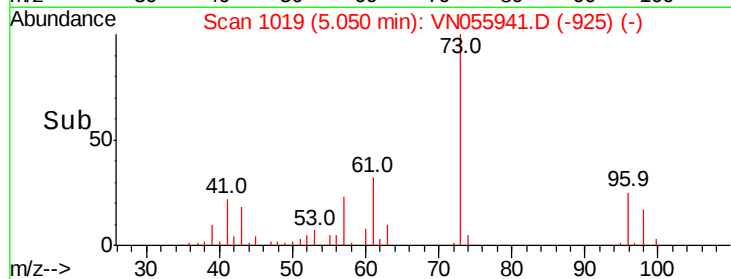
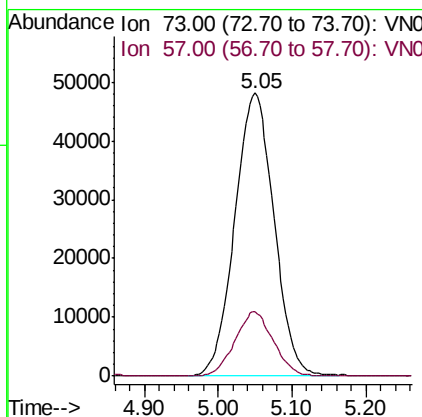
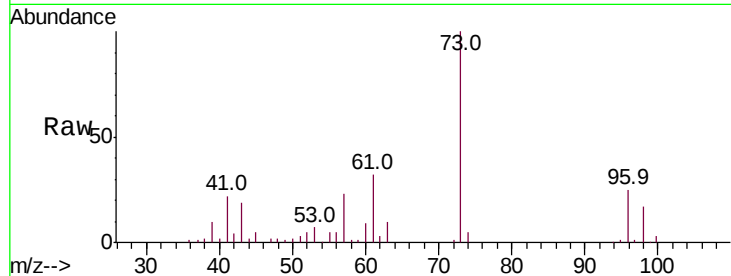
#19
Methvl tert-butvl Ether
Concen: 21.437 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion: 73 Resp: 178009
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.8

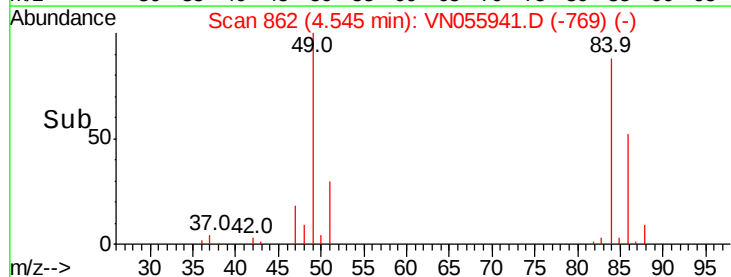
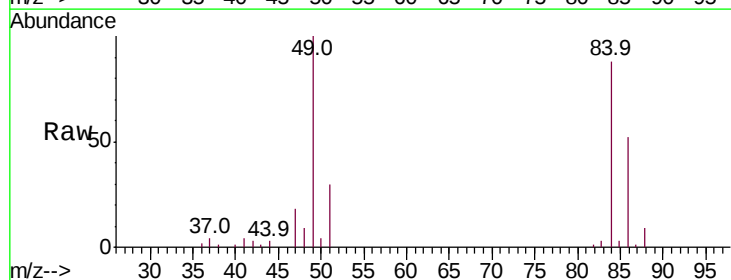
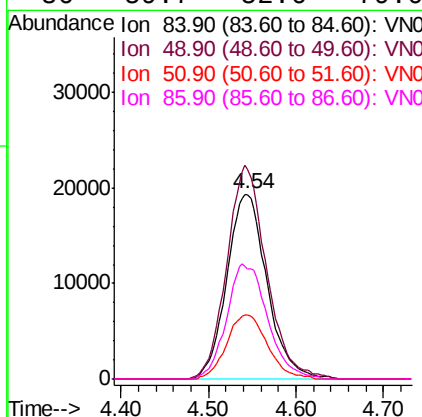
Manual Integrations
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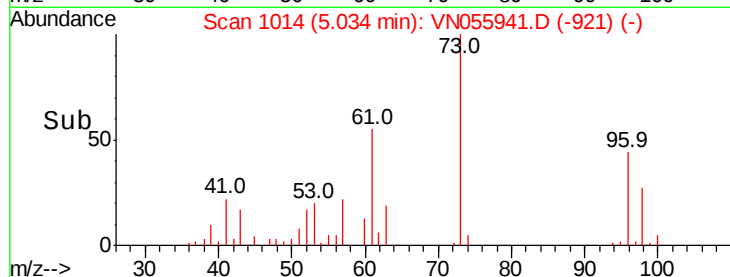
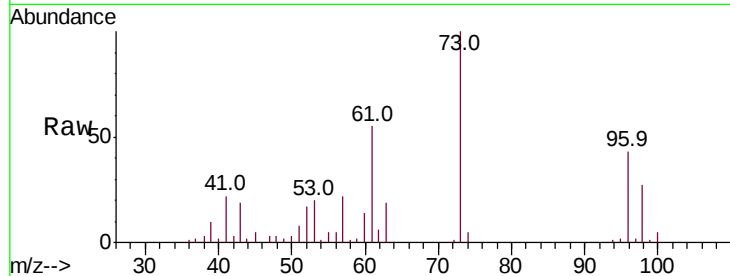
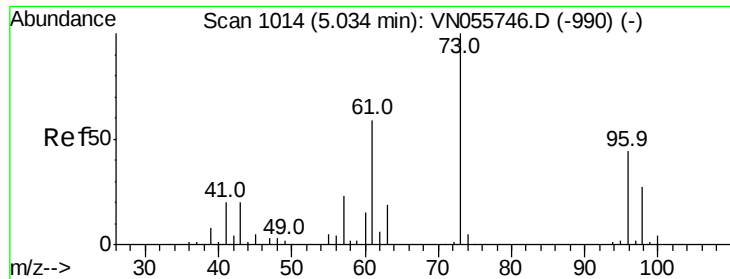
MMDadoda
6/3/2019 4:12:39 PM



#20
Methylene Chloride
Concen: 21.429 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 84 Resp: 61676
Ion Ratio Lower Upper
84 100
49 113.8 93.5 140.3
51 34.3 28.6 43.0
86 59.7 52.6 79.0





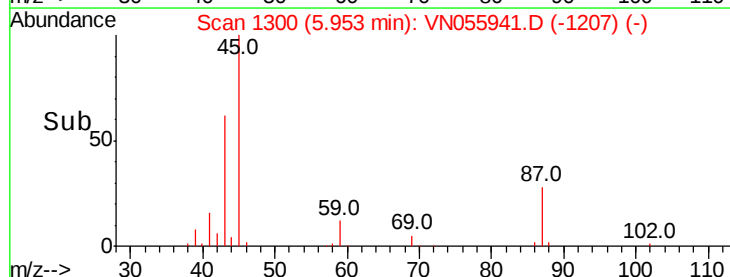
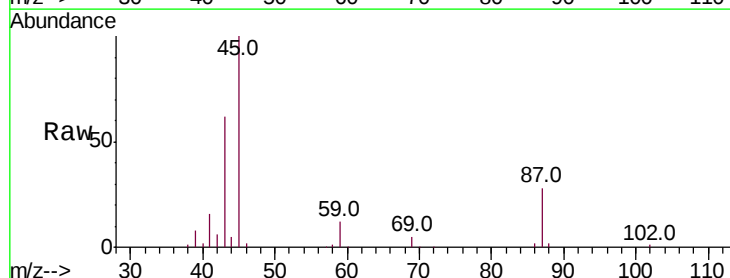
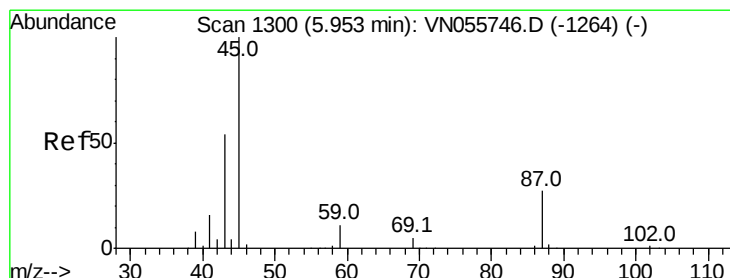
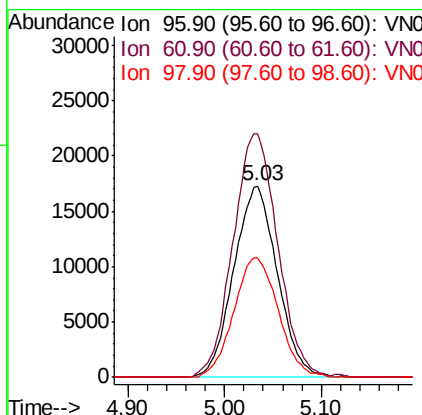
#21
trans-1,2-Dichloroethene
Concen: 20.188 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tot Ion	96	Resp	53999
Ion Ratio	100	Lower	Upper
96	100		
61	127.0	107.8	161.8
98	62.4	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

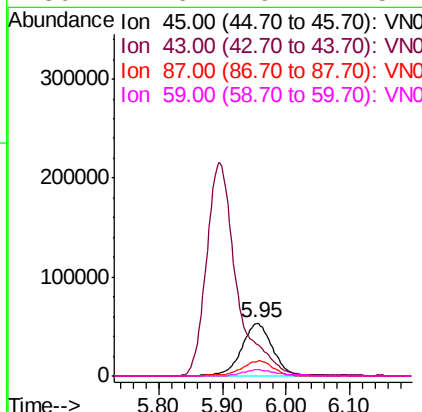
Manual Integrations
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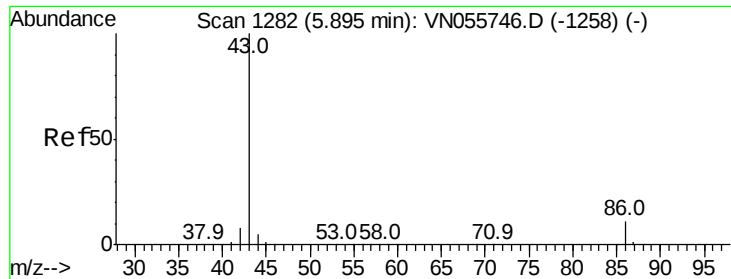
MMDadoda
6/3/2019 4:12:39 PM



#22
Diisopropyl ether
Concen: 21.824 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	45	Resp	181171
Ion Ratio	100	Lower	Upper
45	100		
43	60.5	45.0	67.6
87	27.6	22.2	33.4
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 100.271 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 43 Resp: 713680

Ion Ratio Lower Upper

43 100

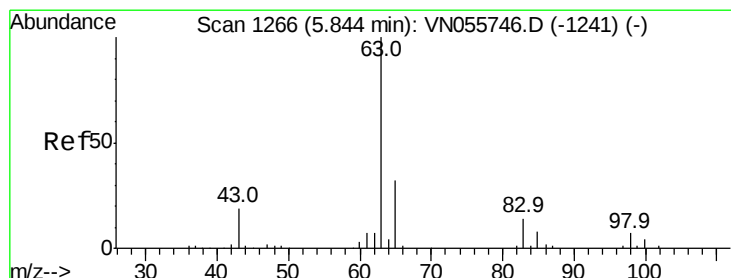
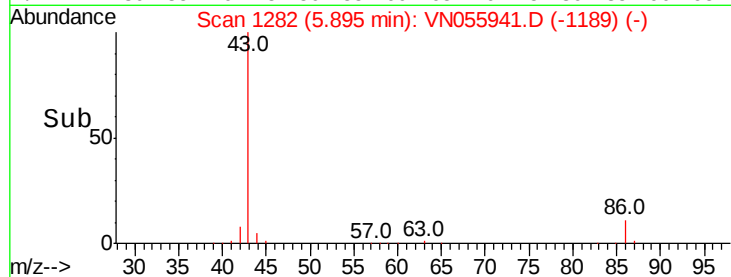
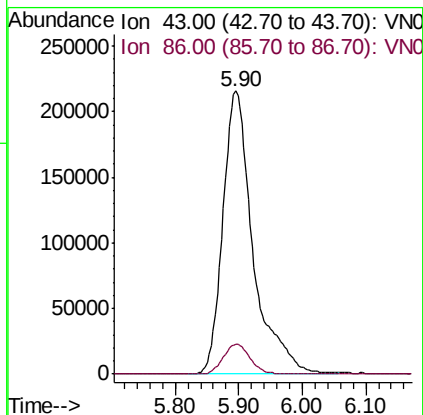
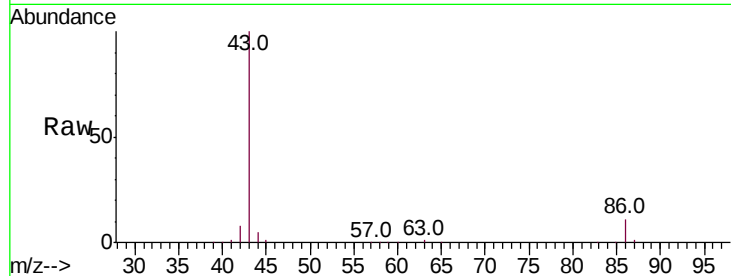
86 10.5 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

6/3/2019 4:12:39 PM



#24

1,1-Dichloroethane

Concen: 21.227 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

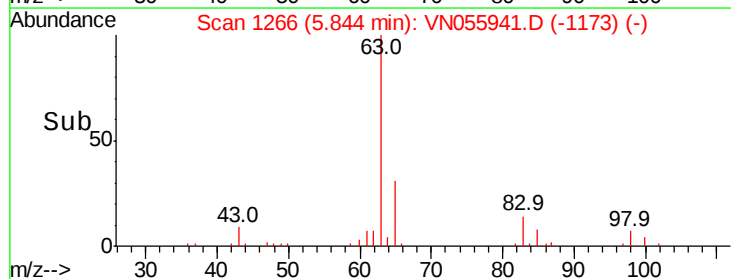
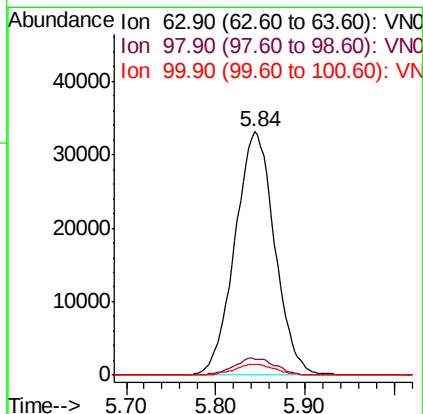
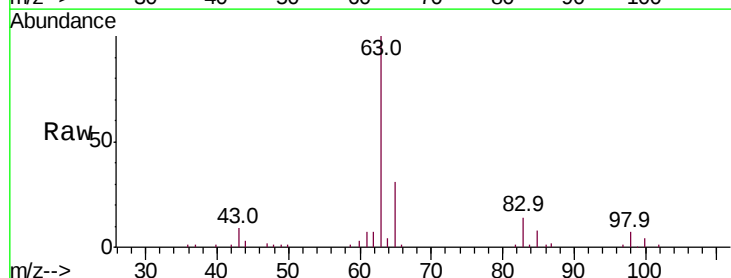
Tgt Ion: 63 Resp: 102599

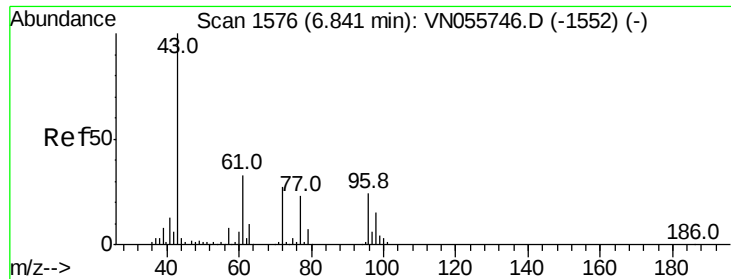
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 106.337 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 43 Resp: 197362

Ion Ratio Lower Upper

43 100

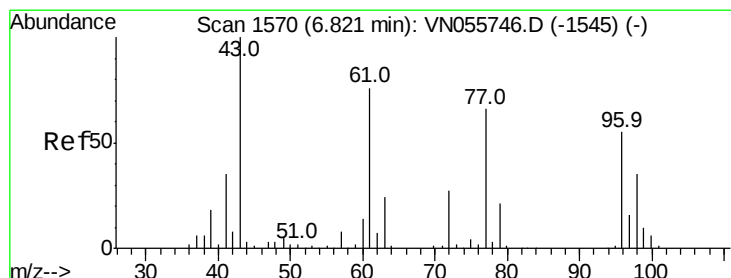
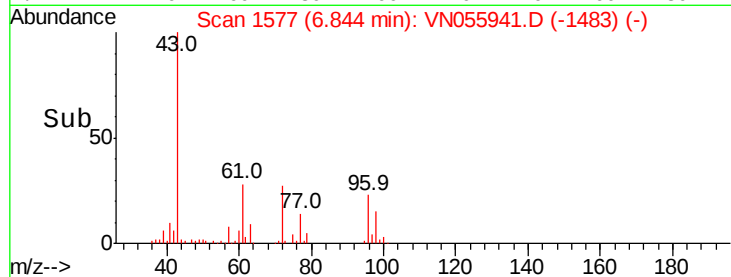
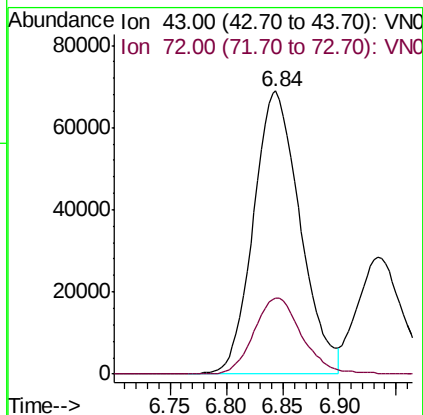
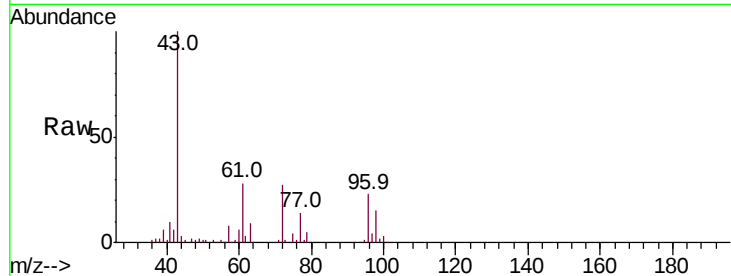
72 27.1 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 12.982 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055941.D

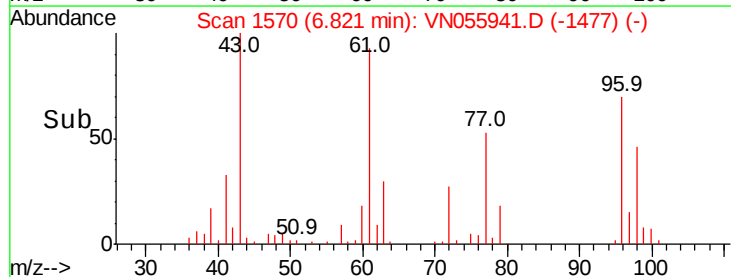
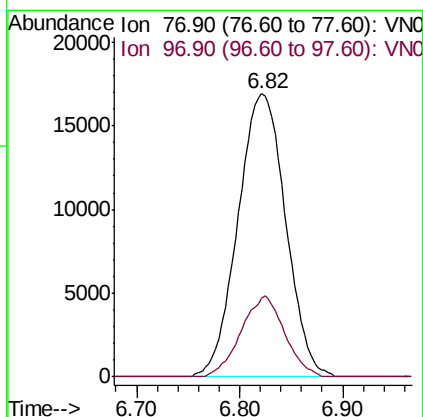
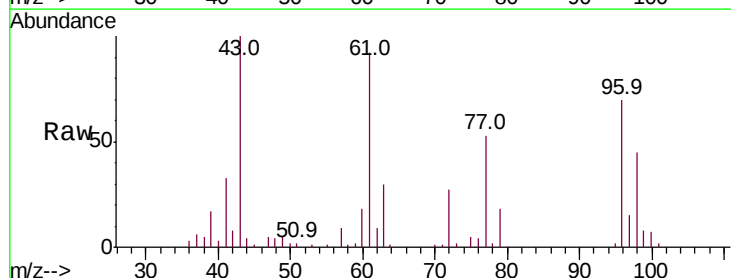
Acq: 1 Jun 2019 2:01

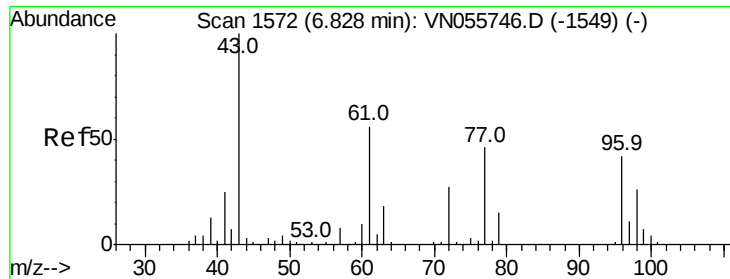
Tgt Ion: 77 Resp: 54306

Ion Ratio Lower Upper

77 100

97 26.2 12.2 36.6





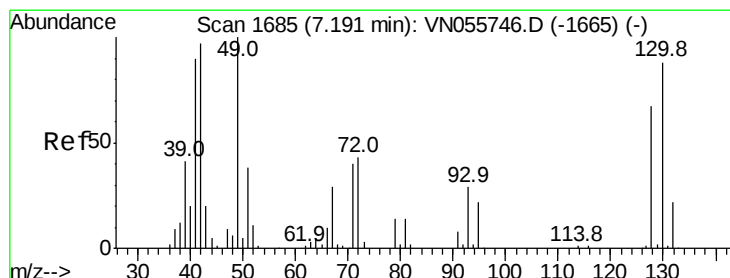
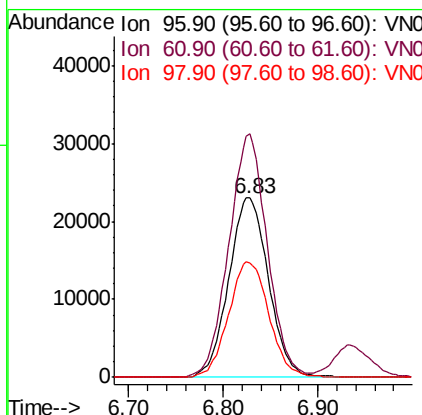
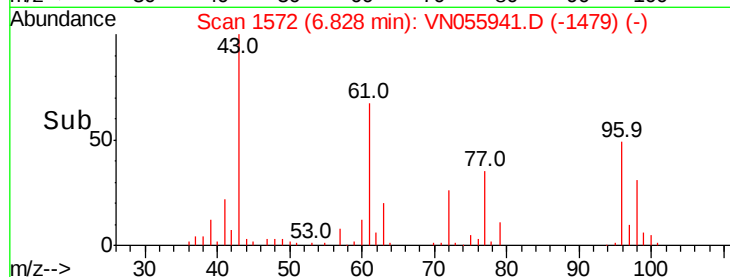
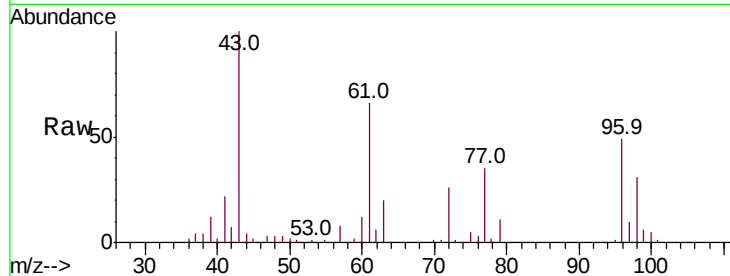
#27
 cis-1,2-Dichloroethene
 Concen: 21.555 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	275.8
98	65.0	0.0	128.4

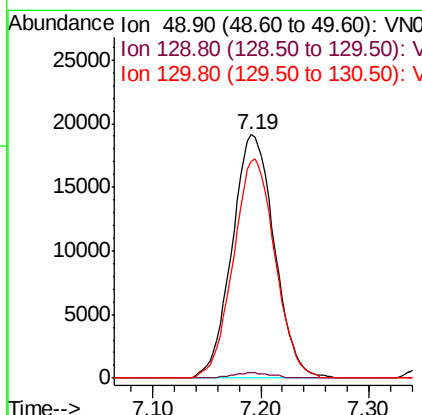
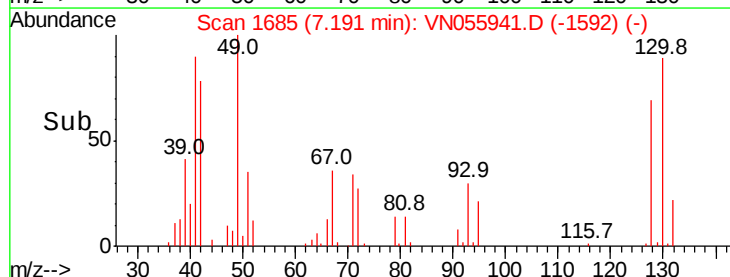
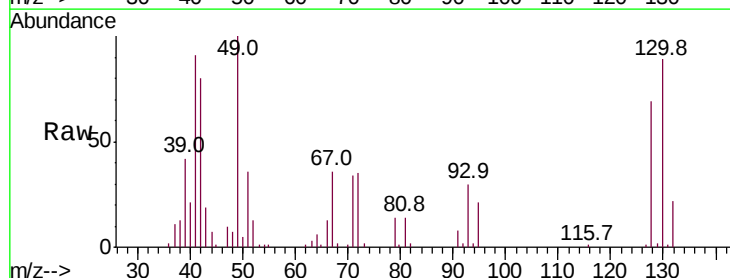
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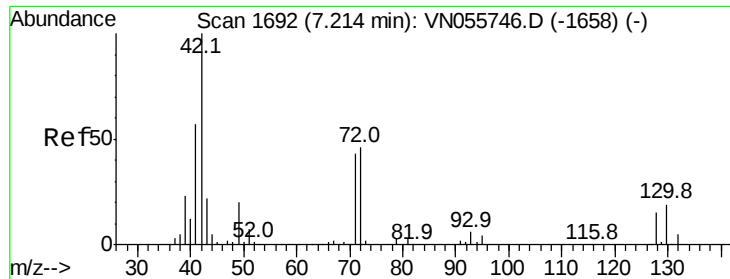
MMDadoda
 6/3/2019 4:12:39 PM



#28
 Bromochloromethane
 Concen: 22.675 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	88.8	71.2	106.8





#29

Tetrahydrofuran

Concen: 111.476 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

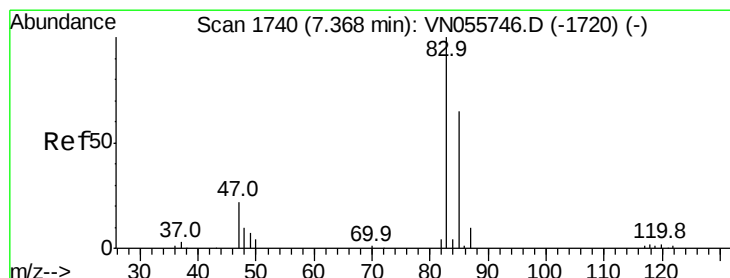
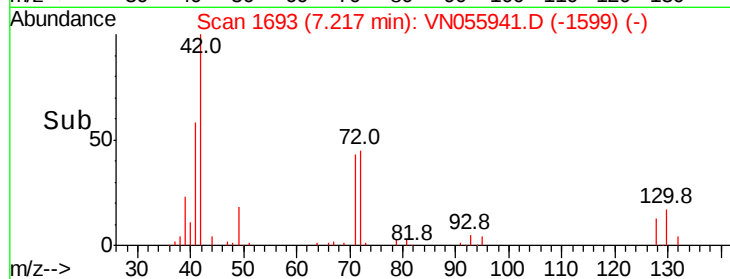
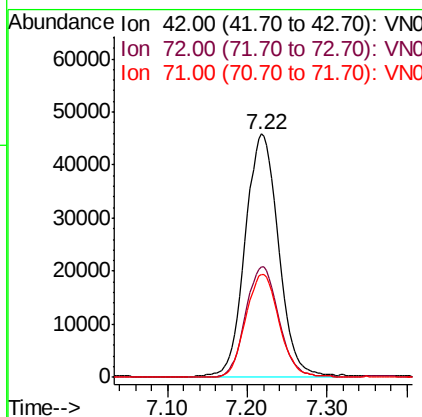
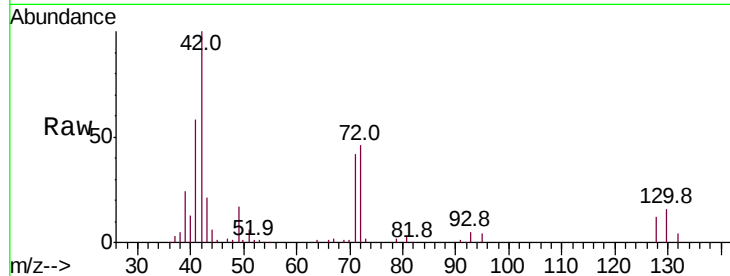
ClientSampleId :

VN0531WBSD02

Tot Ion:	42	Resp:	131024
Ion Ratio	Lower	Upper	
42	100		
72	45.1	35.9	53.9
71	42.4	34.0	51.0

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#30

Chloroform

Concen: 22.074 ug/l

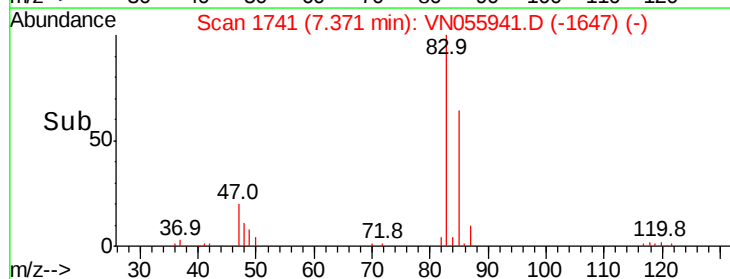
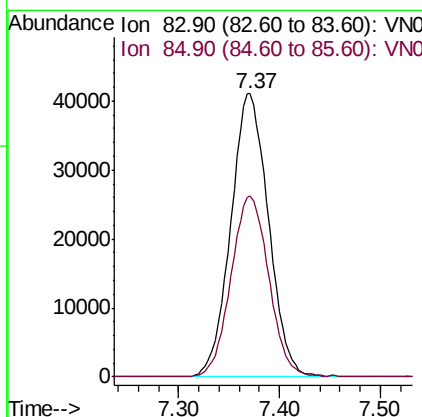
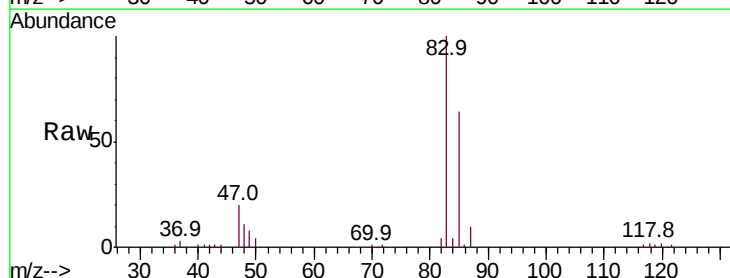
RT: 7.37 min Scan# 1741

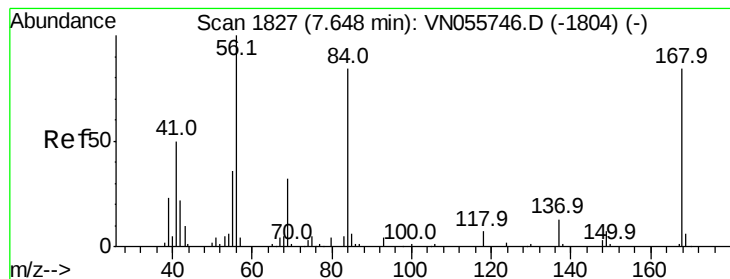
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	83	Resp:	106402
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.8	77.8





#31

Cyclohexane

Concen: 19.723 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

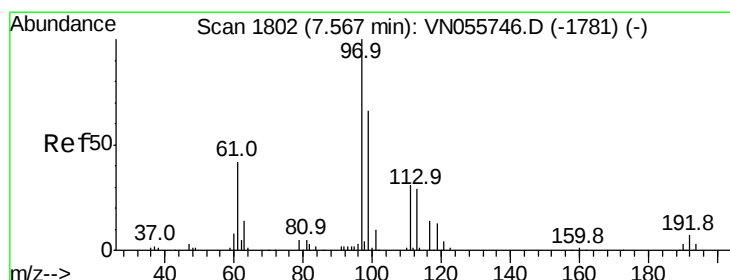
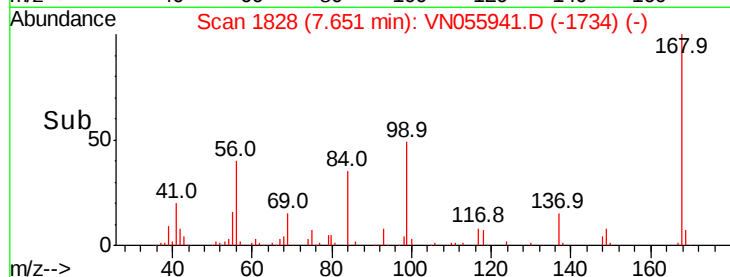
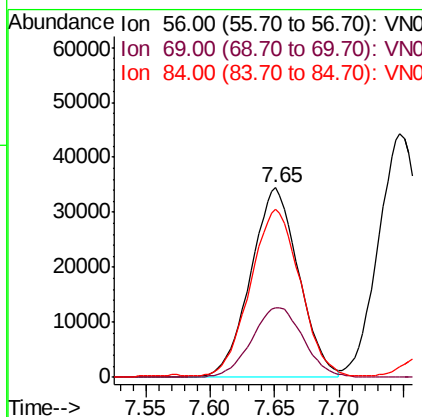
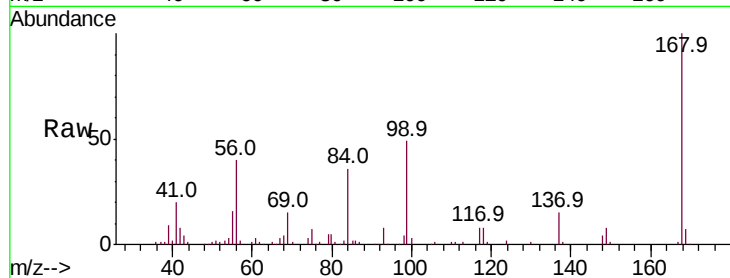
ClientSampleId :

VN0531WBSD02

Tot Ion:	56	Resp:	89500
Ion Ratio	Lower	Upper	
56	100		
69	36.7	25.6	38.4
84	88.0	67.4	101.0

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#32

1,1,1-Trichloroethane

Concen: 19.922 ug/l

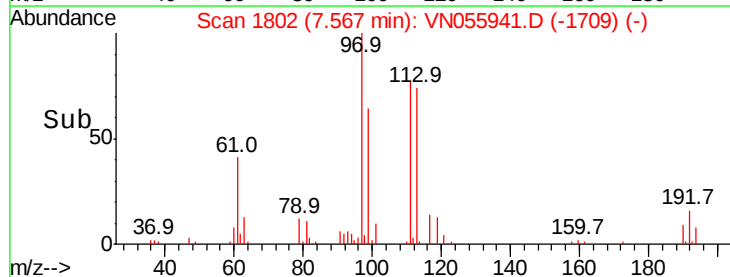
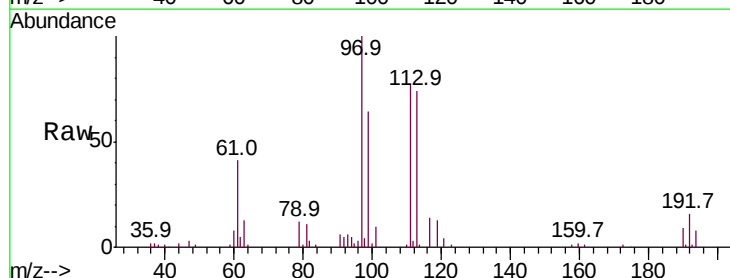
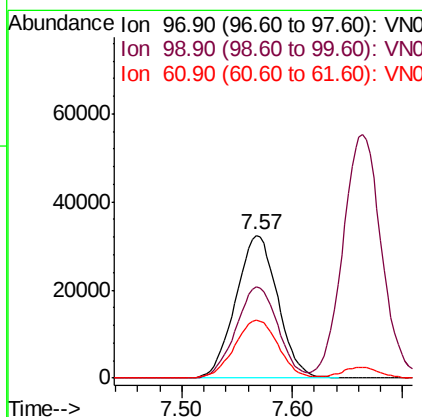
RT: 7.57 min Scan# 1802

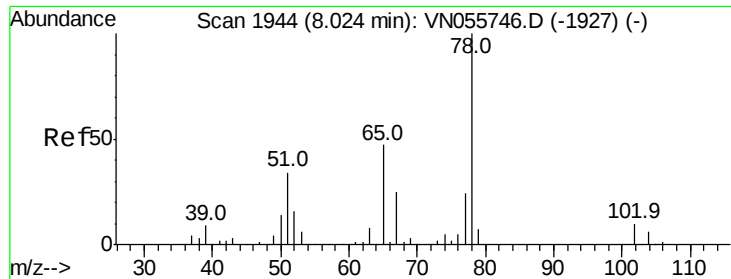
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	97	Resp:	85691
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.0	78.0
61	42.2	32.9	49.3





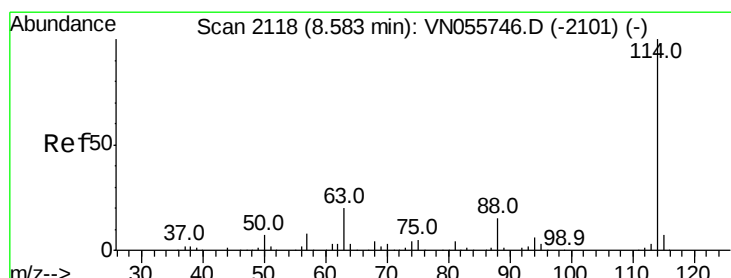
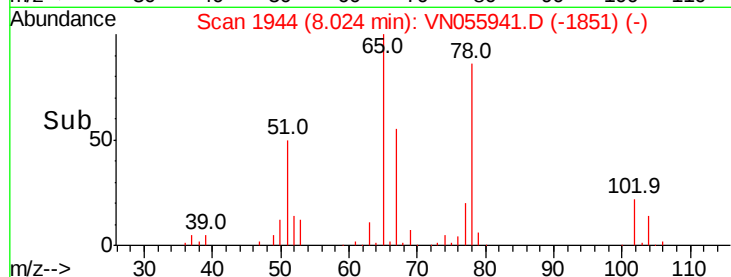
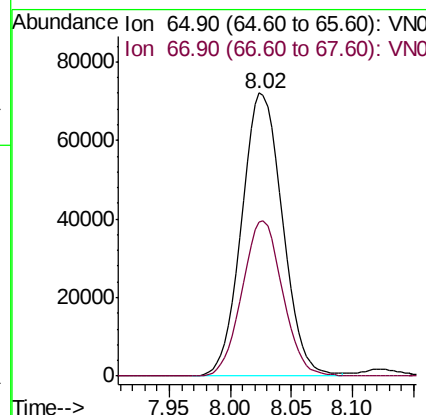
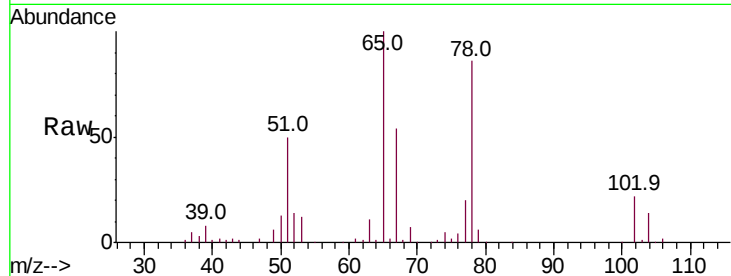
#33
 1,2-Dichloroethane-d4
 Concen: 55.348 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167331		
67	54.3	0.0	109.2	

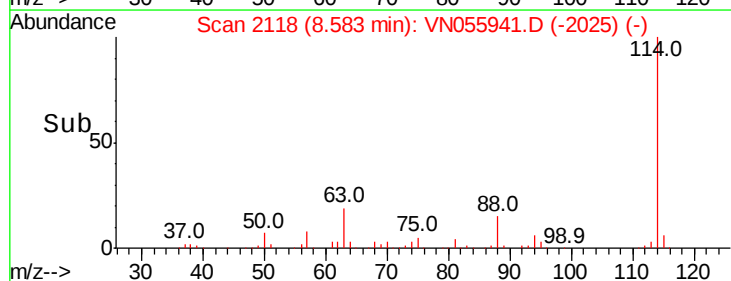
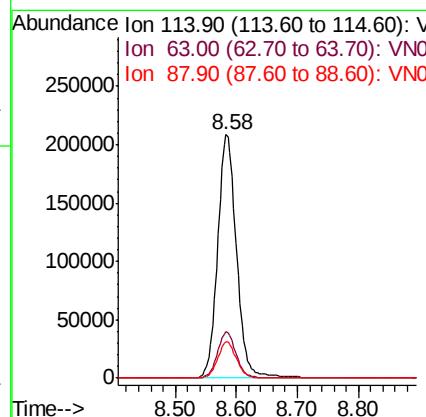
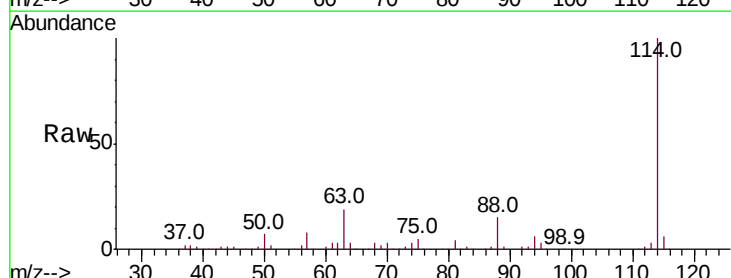
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448749		
63	18.8	0.0	39.2	
88	15.1	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.777 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

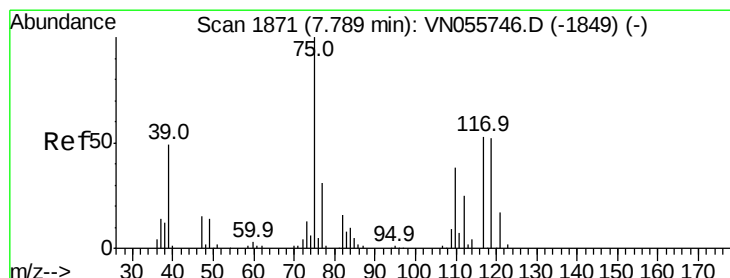
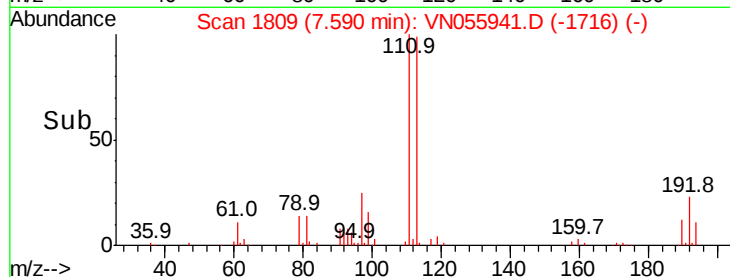
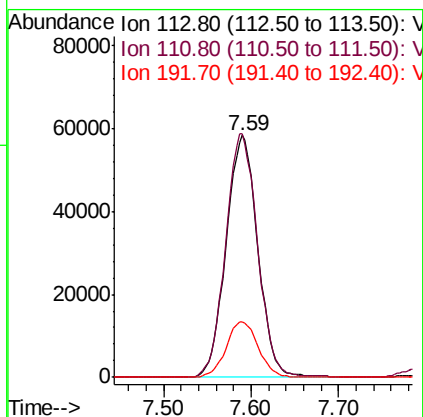
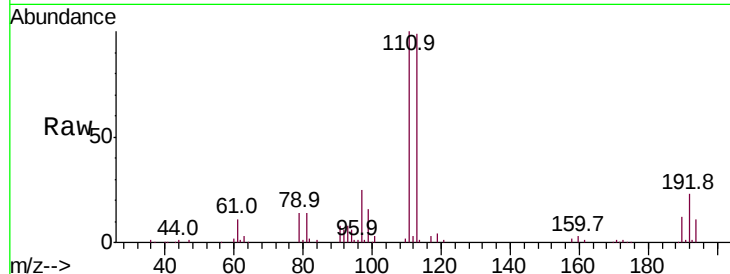
ClientSampleId :

VN0531WBSD02

Tot Ion:	113	Resp:	146899
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.9	122.9
192	23.1	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 18.315 ug/l

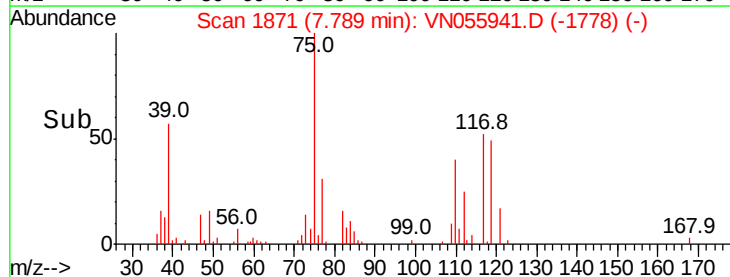
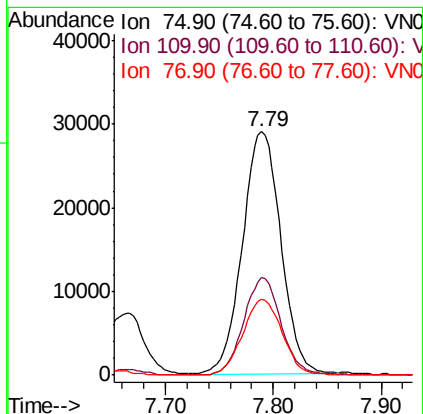
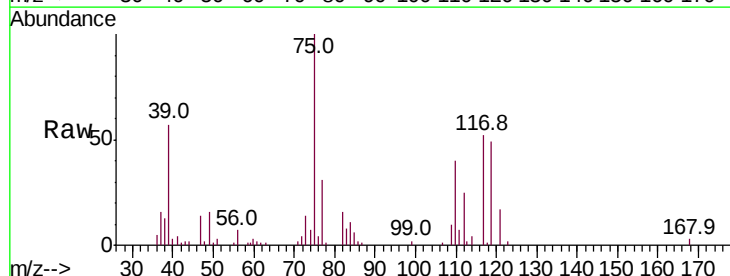
RT: 7.79 min Scan# 1871

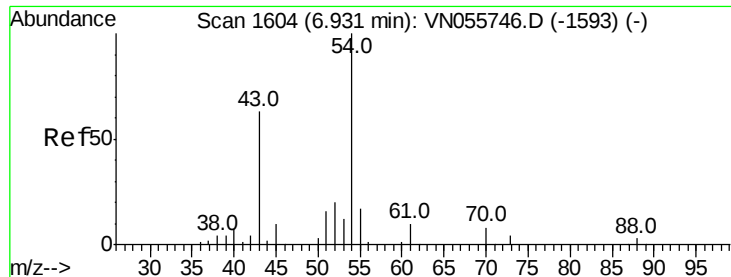
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	75	Resp:	71625
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.0	57.0
77	32.0	25.1	37.7





#37

Ethyl Acetate

Concen: 21.023 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055941.D

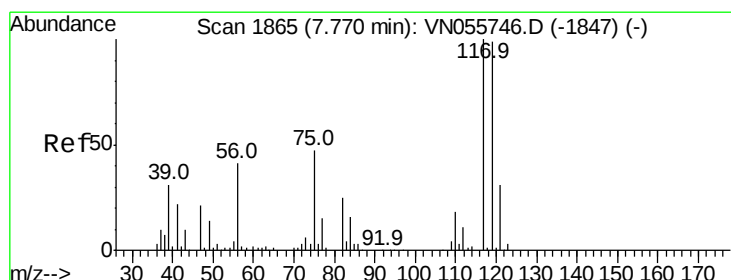
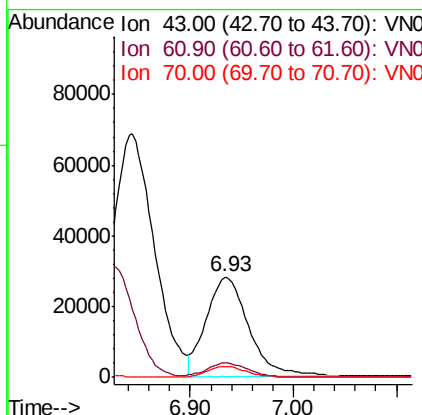
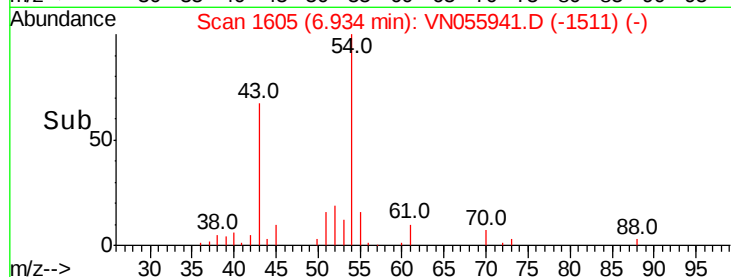
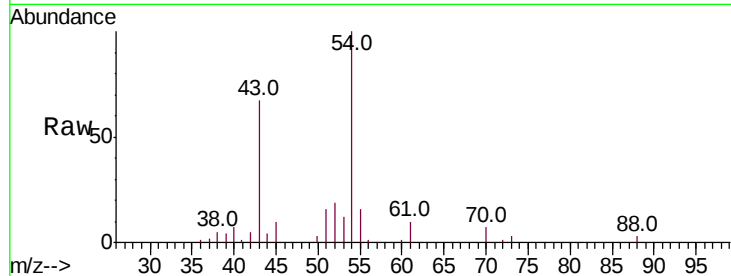
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.5	8.9	13.3

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#38

Carbon Tetrachloride

Concen: 17.258 ug/l

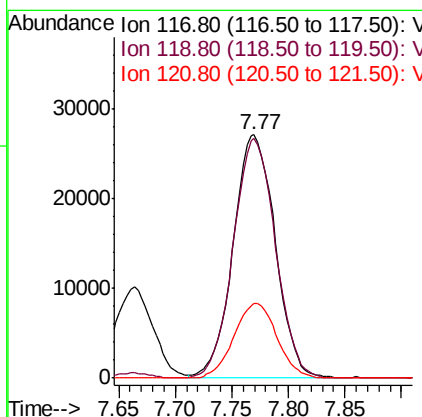
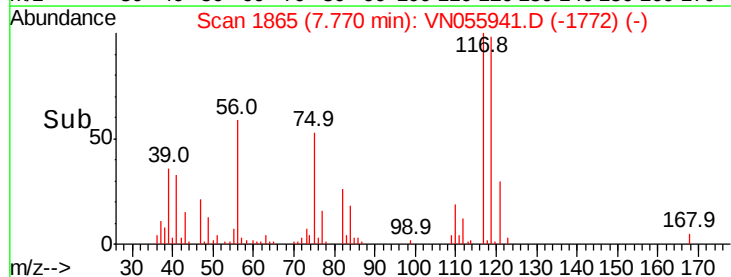
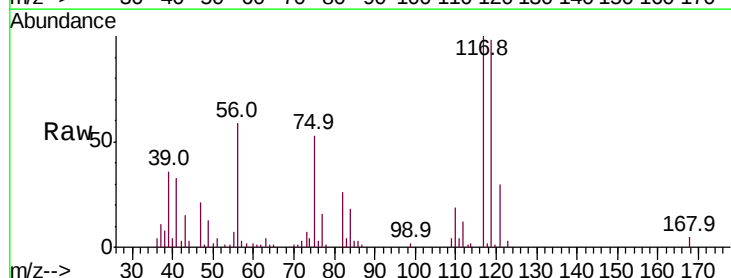
RT: 7.77 min Scan# 1865

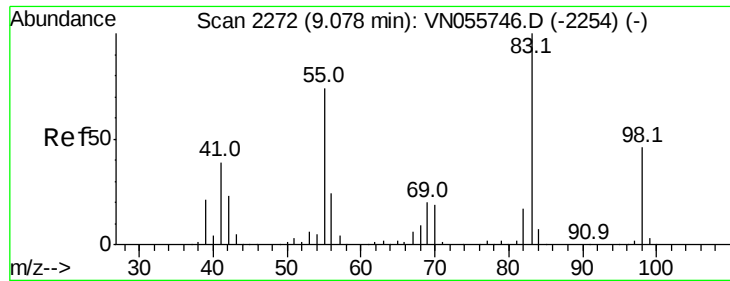
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	79.0	118.6
121	30.5	24.7	37.1





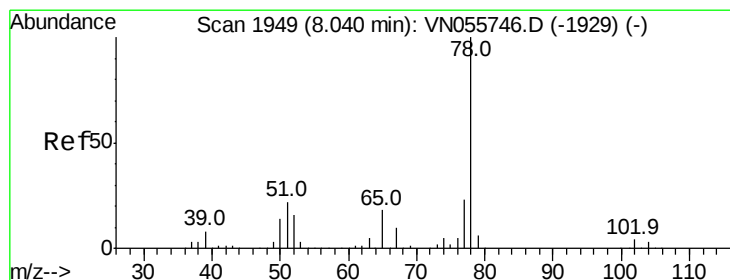
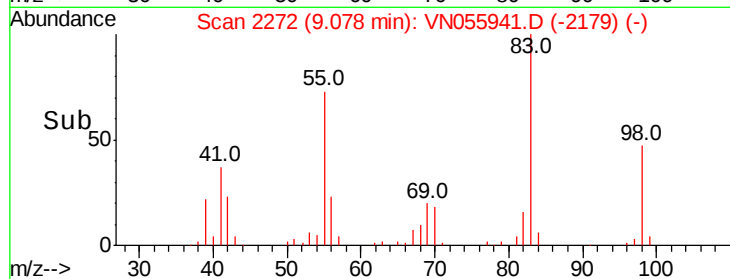
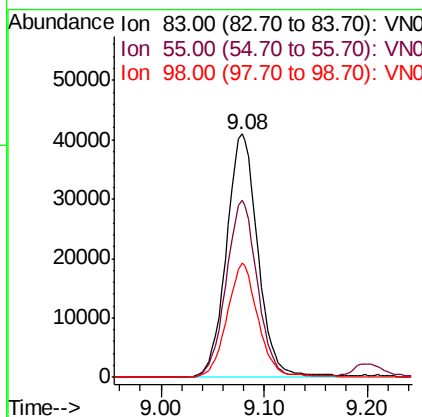
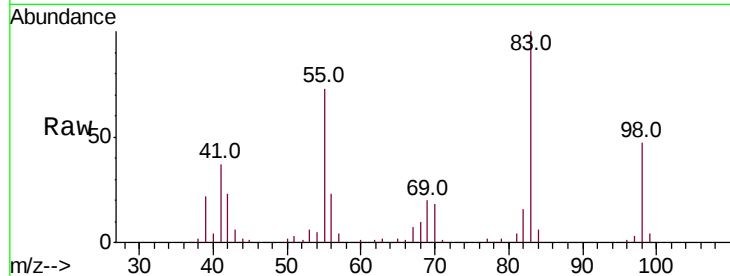
#39
Methvlcvclohexane
Concen: 17.979 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	83	Resp	87065
Ion Ratio	100	Lower	Upper
83	100		
55	72.7	59.3	88.9
98	46.7	36.6	54.8

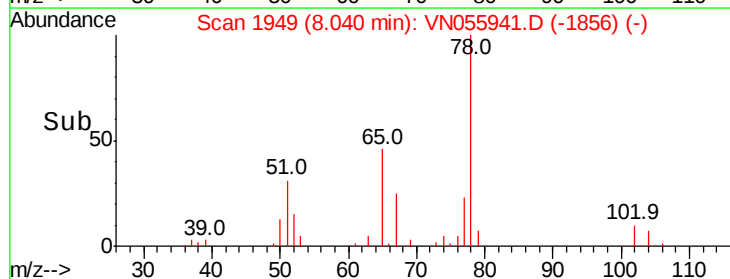
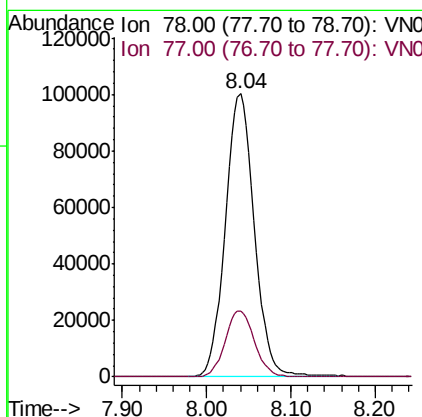
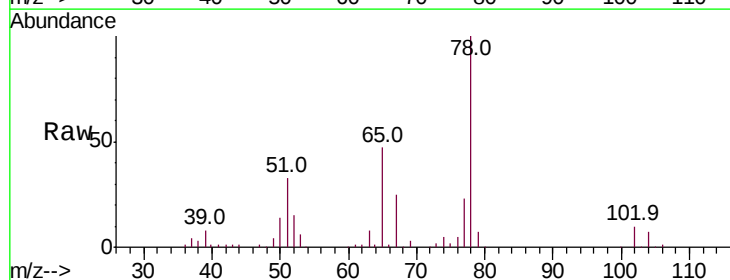
Manual Integrations
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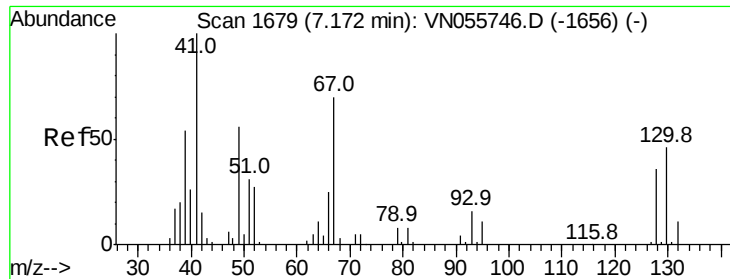
MMDadoda
6/3/2019 4:12:39 PM



#40
Benzene
Concen: 20.362 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	78	Resp	239982
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.8	28.2





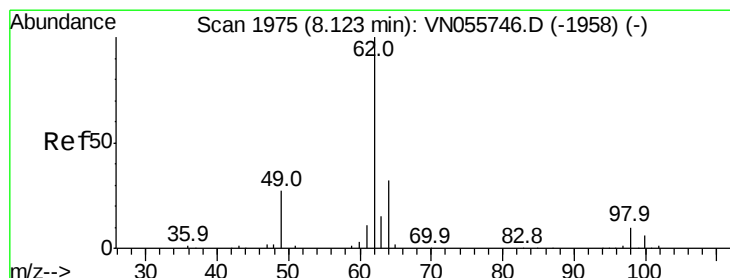
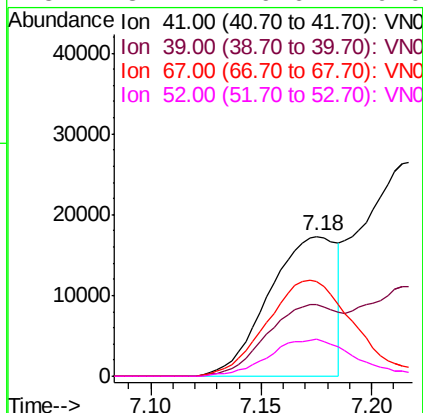
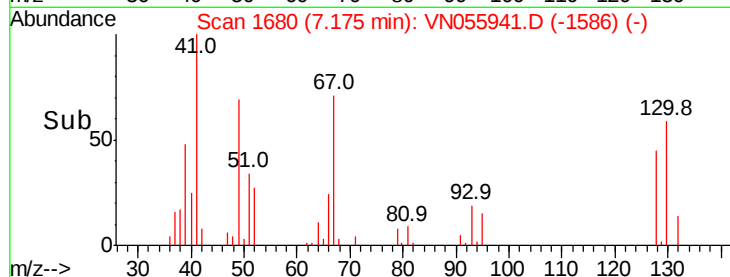
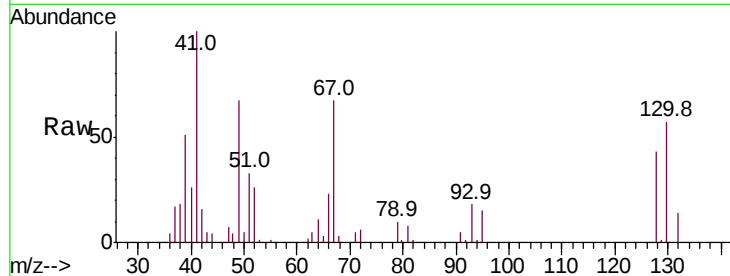
#41
Methacrylonitrile
Concen: 19.309 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	41	Resp	36871
Ion Ratio	Lower	Upper	
41	100		
39	55.5	45.6	68.4
67	89.3	67.7	101.5
52	34.4	26.6	40.0

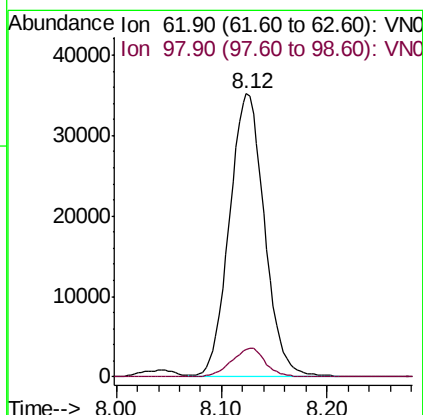
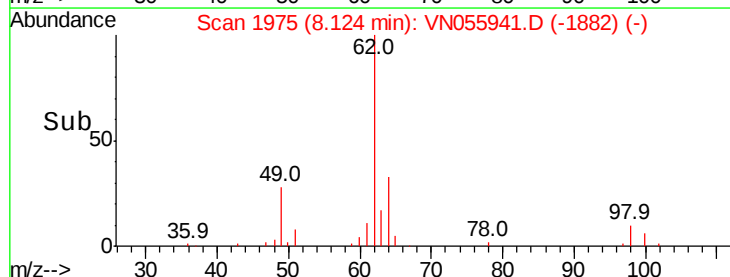
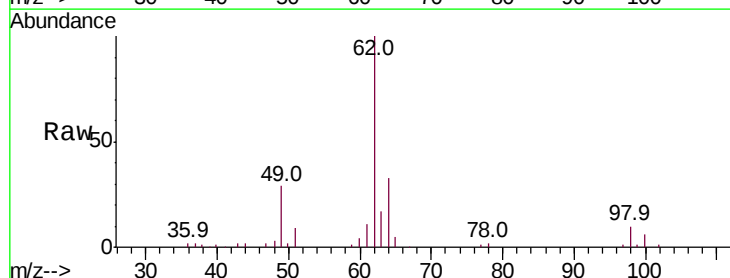
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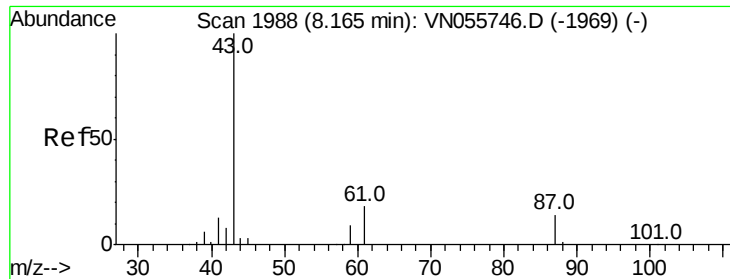
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#42
1,2-Dichloroethane
Concen: 21.115 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	62	Resp	81318
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.263 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

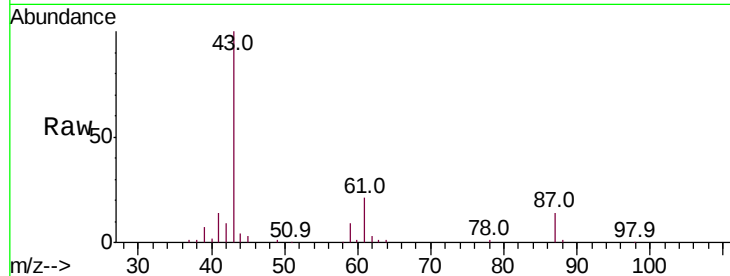
ClientSampleId :

VN0531WBSD02

Tot Ion:	43	Resp:	122327
Ion Ratio	Lower	Upper	
43	100		
61	22.2	22.2	33.4#
87	14.5	11.4	17.2

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Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.17

60000

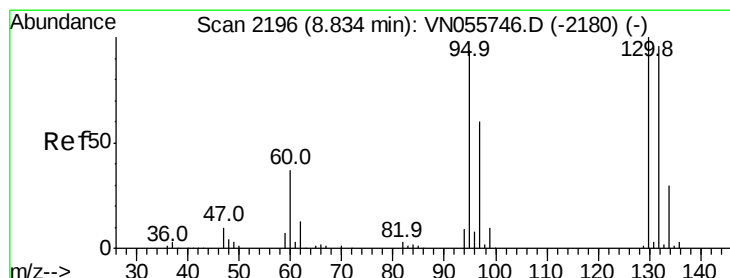
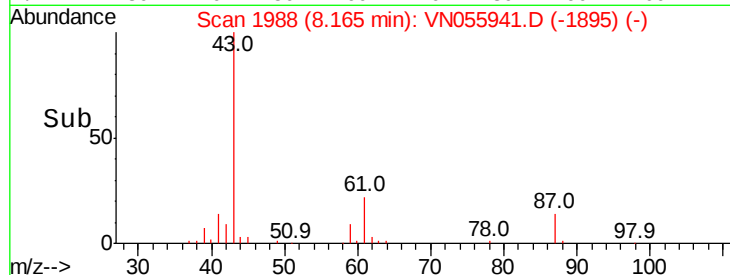
40000

20000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 20.107 ug/l

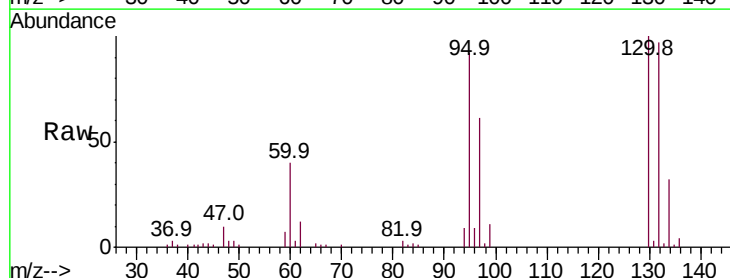
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	130	Resp:	66066
Ion Ratio	Lower	Upper	
130	100		
95	92.0	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.83

30000

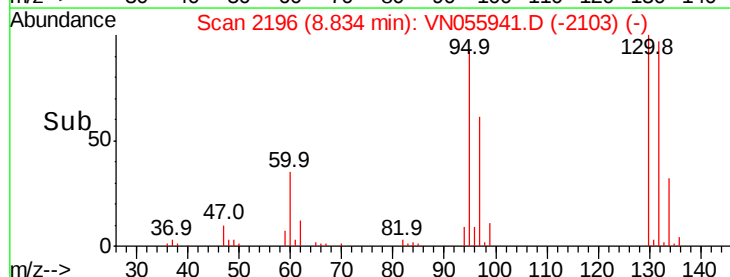
20000

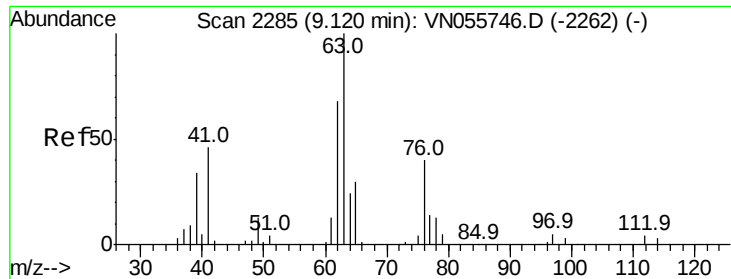
10000

0

8.75 8.80 8.85 8.90 8.95

Time-->





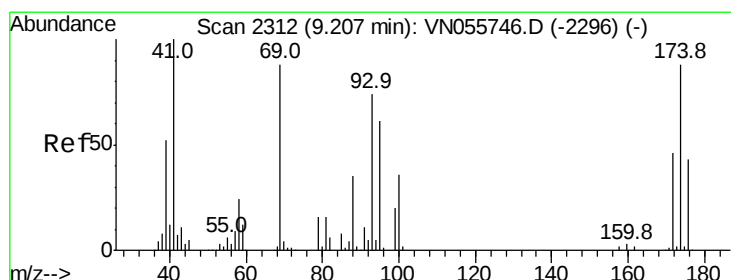
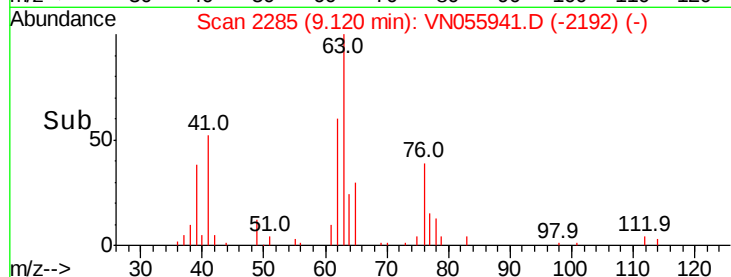
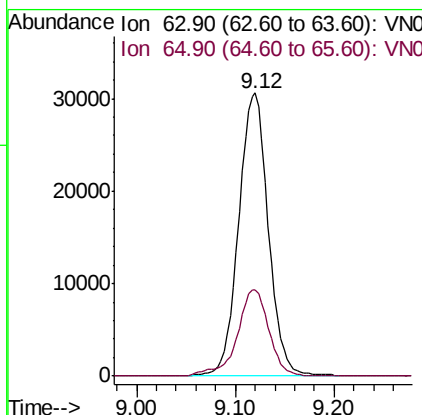
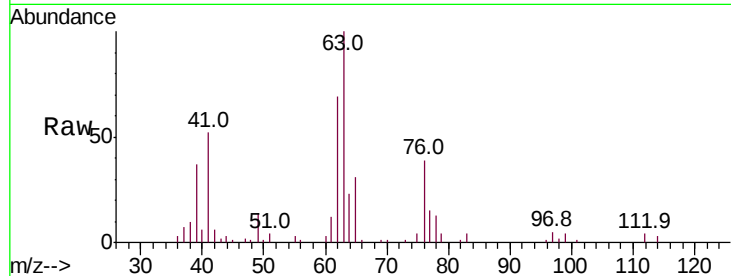
#45
 1,2-Dichloropropane
 Concen: 20.741 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion: 63 Resp: 63689
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8

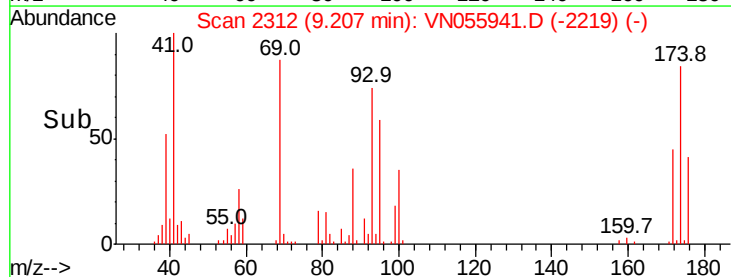
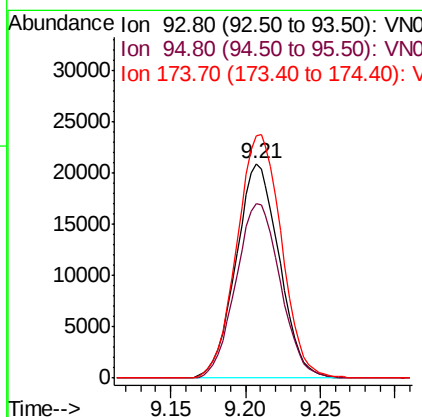
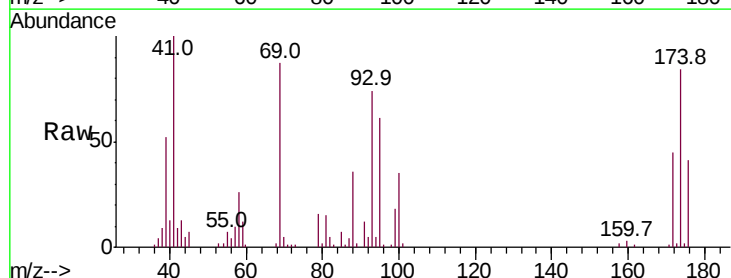
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#46
 Dibromomethane
 Concen: 20.865 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion: 93 Resp: 42018
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 117.3 96.4 144.6





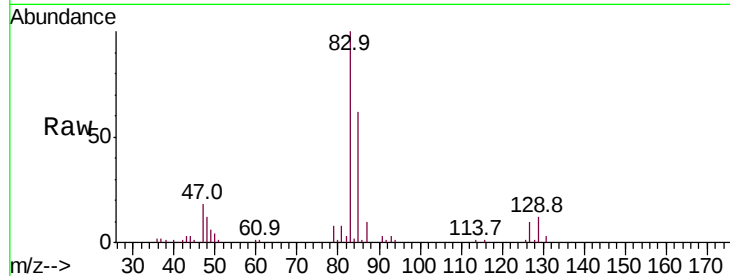
#47
Bromodichloromethane
Concen: 18.573 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	83	Resp	76696
Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.2
127	9.5	7.4	11.0

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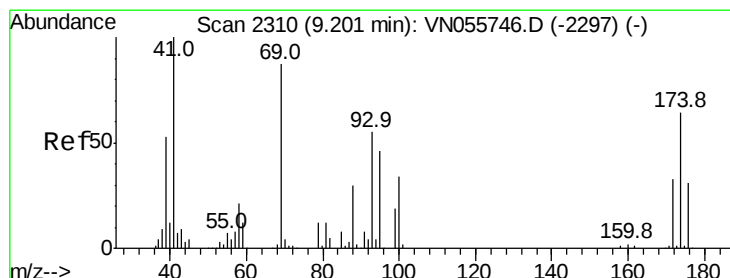
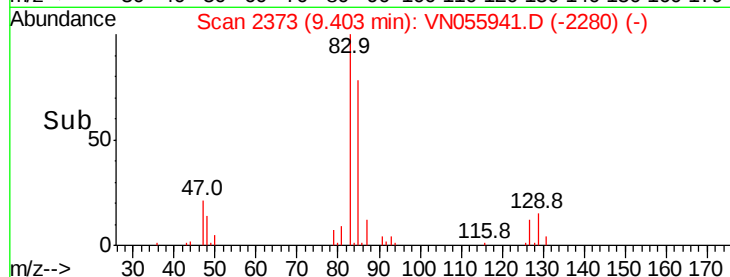
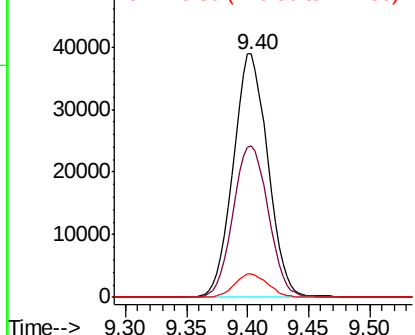
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Abundance Ion 82.90 (82.60 to 83.60): VN055941.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055941.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055941.D (-2280) (-)



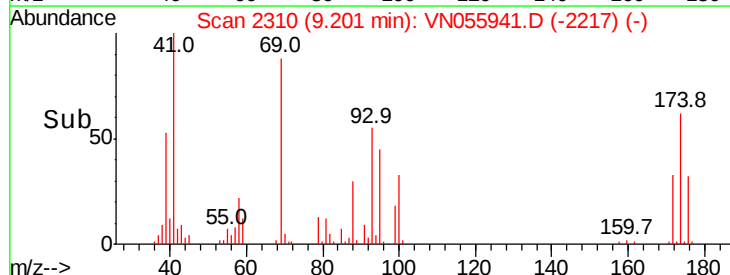
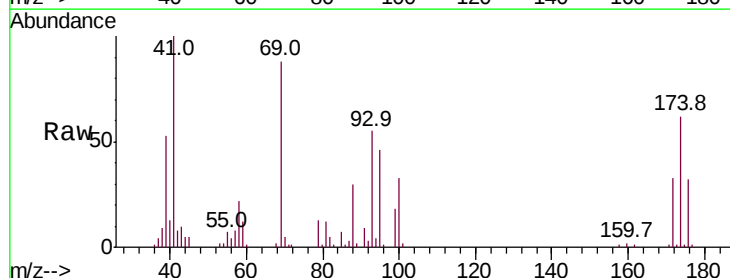
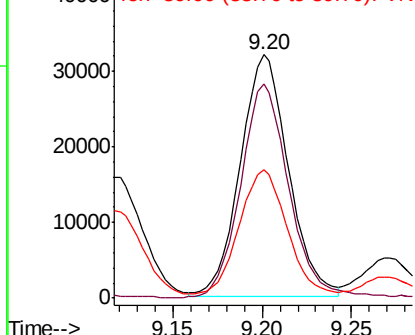
#48
Methyl methacrylate
Concen: 20.694 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

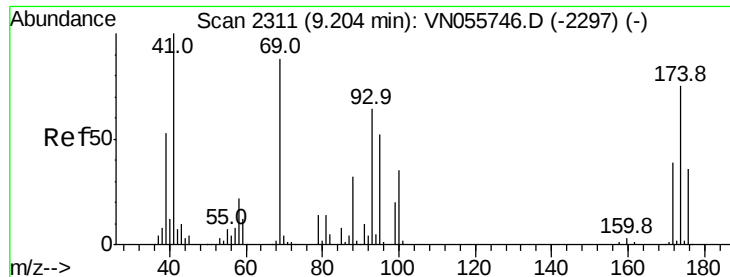
Tgt Ion	41	Resp	60568
Ion	Ratio	Lower	Upper
41	100		
69	89.8	71.0	106.6
39	54.4	44.2	66.2

Abundance Ion 41.00 (40.70 to 41.70): VN055941.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055941.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055941.D (-2217) (-)





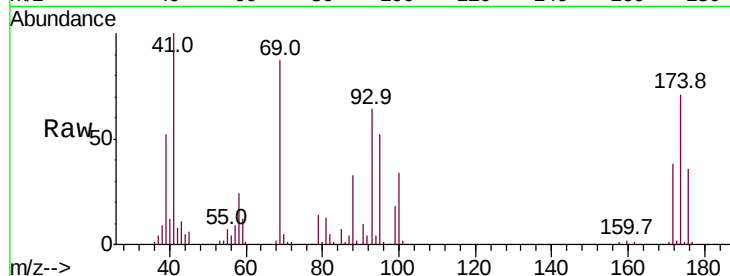
#49
 1,4-Dioxane
 Concen: 407.869 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

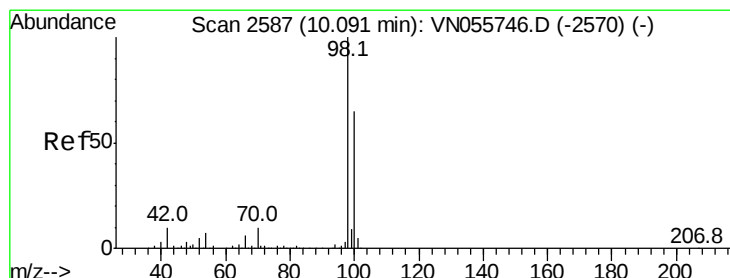
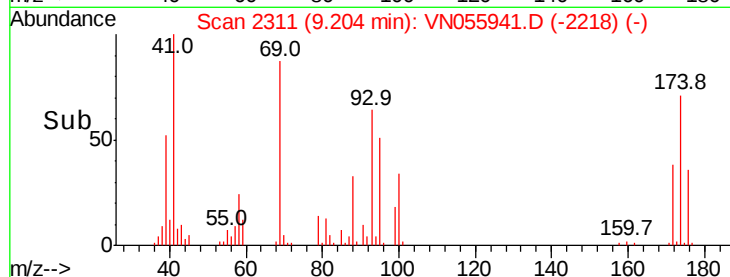
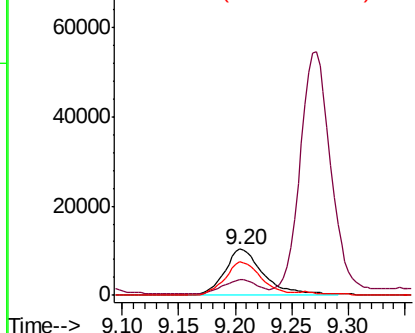
Tot Ion	88	Resp	24807
Ion	Ratio	Lower	Upper
88	100		
43	27.0	20.5	30.7
58	67.5	55.8	83.6

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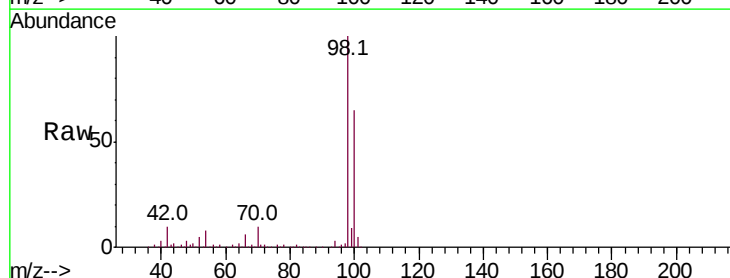


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

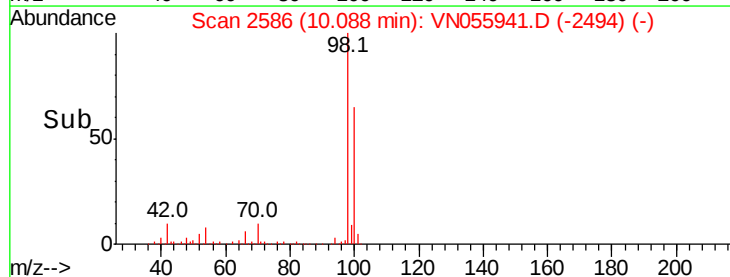
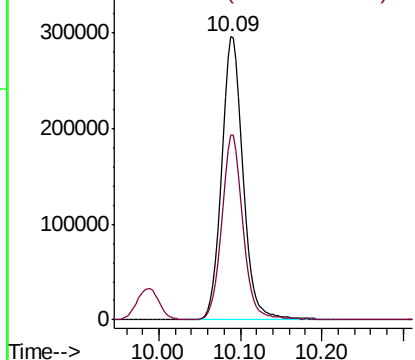


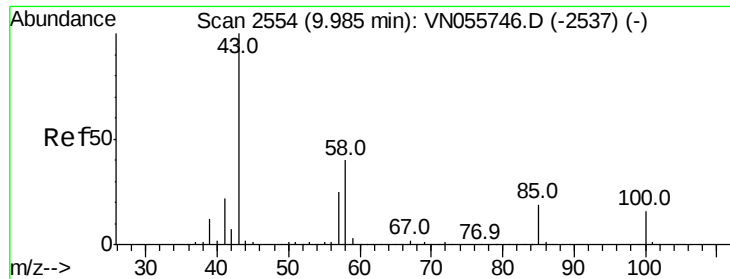
#50
 Toluene-d8
 Concen: 50.864 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	98	Resp	553548
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 104.421 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tot Ion: 43 Resp: 391641

Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

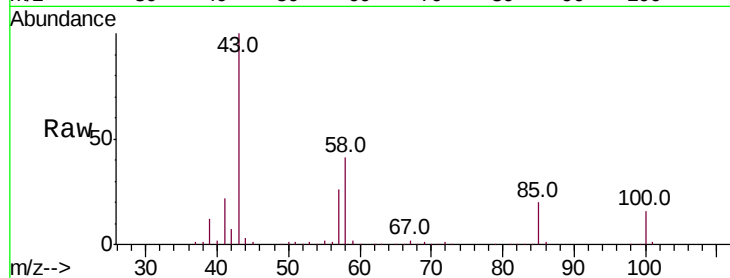
VN0531WBSD02

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

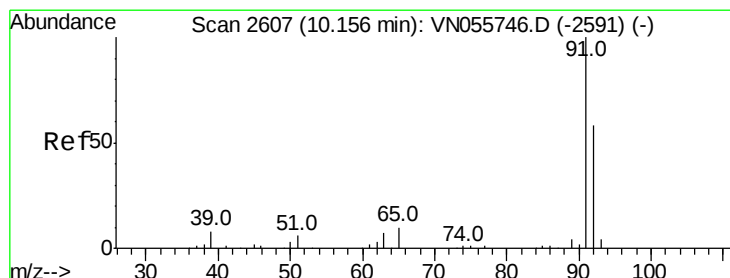
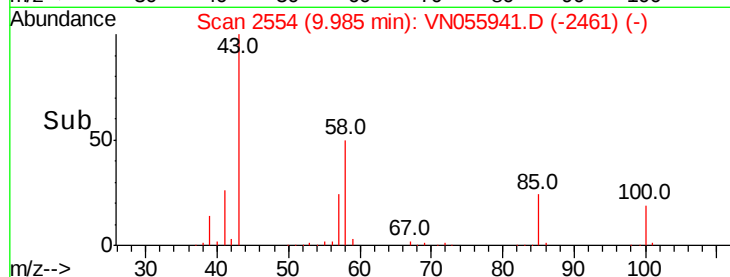
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.358 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055941.D

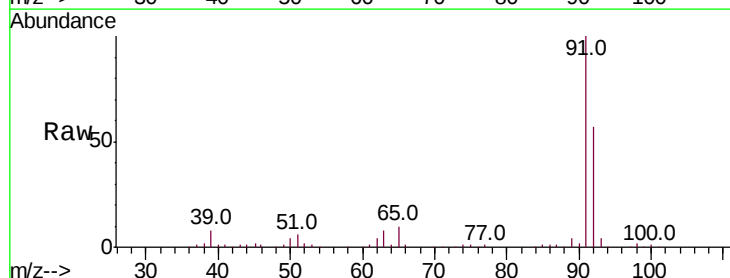
Acq: 1 Jun 2019 2:01

Tgt Ion: 92 Resp: 150905

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

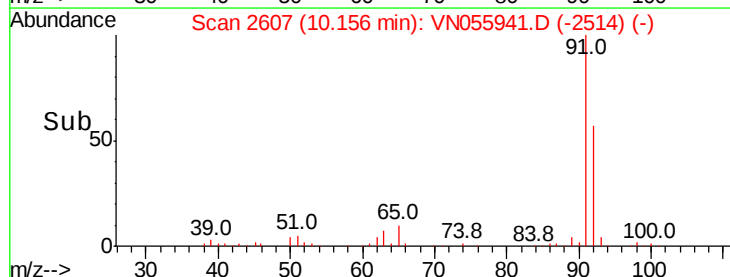
0

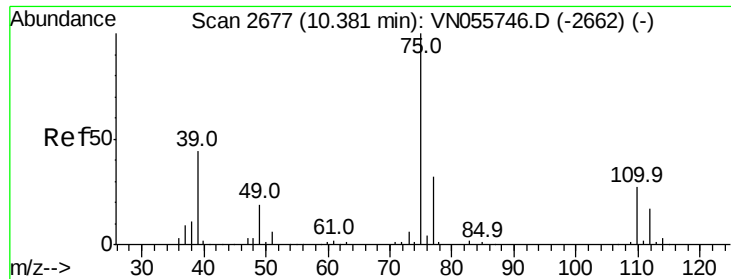
10.10

10.20

10.30

Time-->





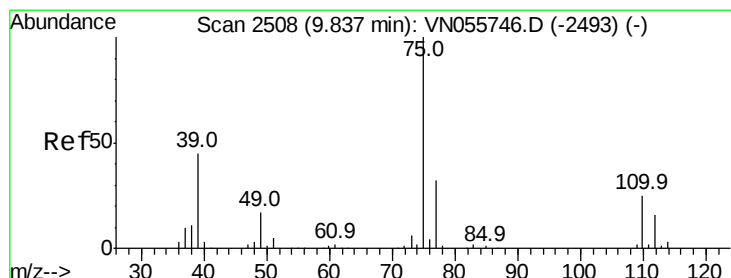
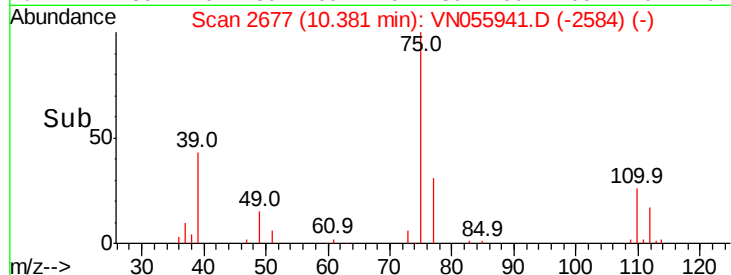
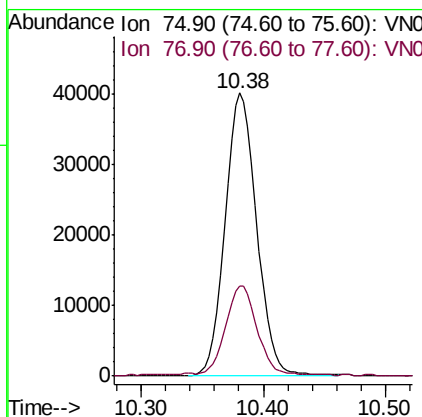
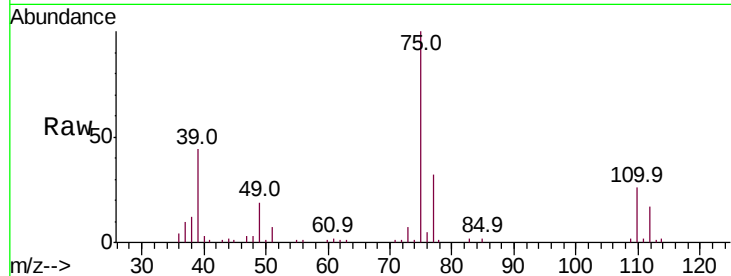
#53
t-1,3-Dichloropropene
Concen: 16.485 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion: 75 Resp: 72662
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6

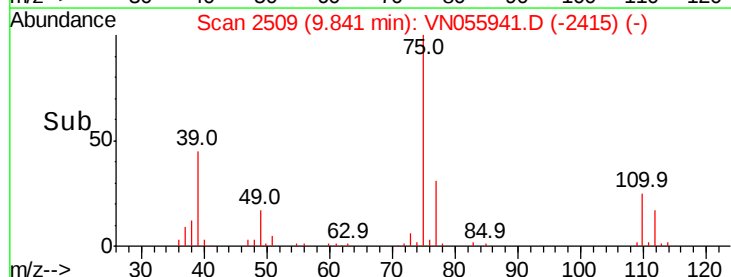
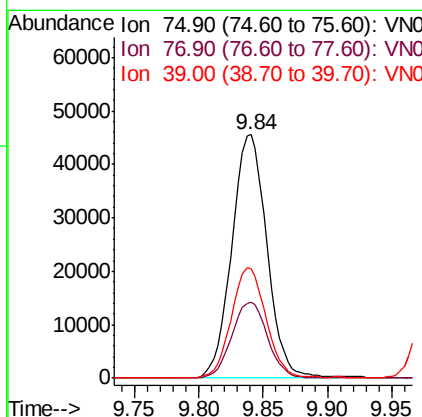
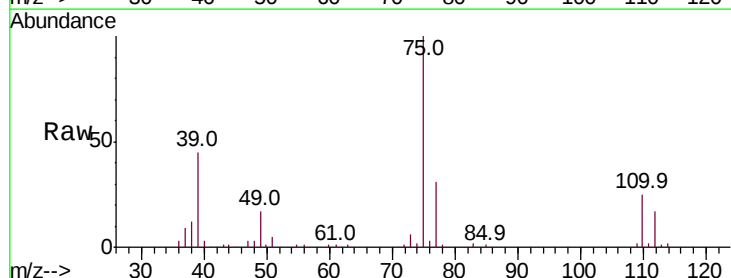
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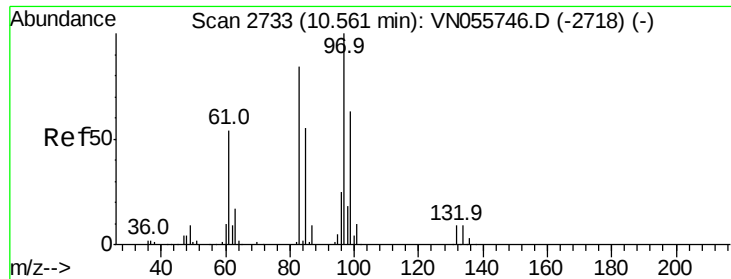
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#54
cis-1,3-Dichloropropene
Concen: 17.650 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 75 Resp: 86188
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 45.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 21.181 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 97 Resp: 62899

Ion Ratio Lower Upper

97 100

83 86.7 67.0 100.6

85 54.7 44.0 66.0

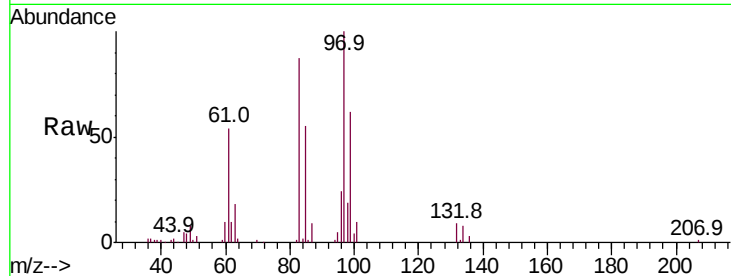
99 62.0 50.6 75.8

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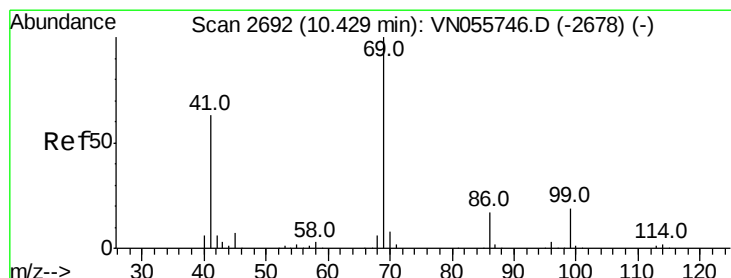
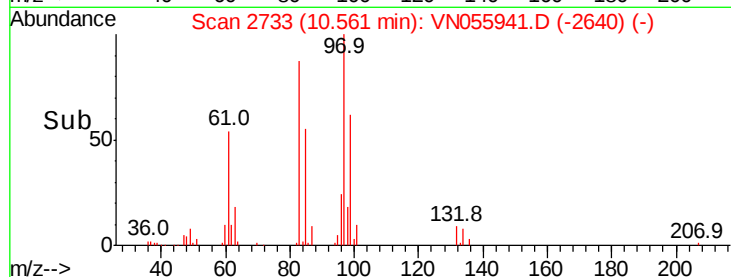
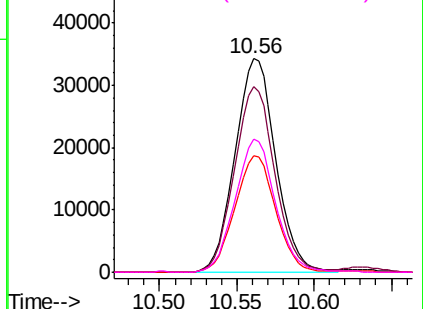
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.695 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

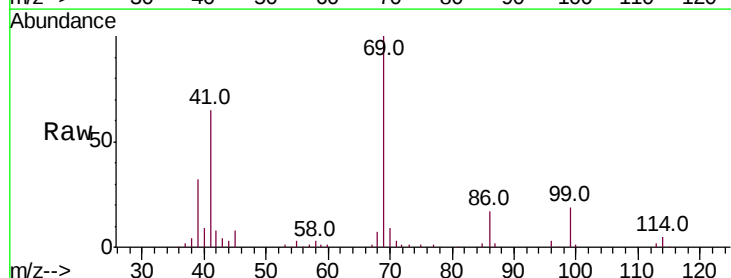
Tgt Ion: 69 Resp: 90389

Ion Ratio Lower Upper

69 100

41 63.8 49.7 74.5

39 31.2 24.7 37.1

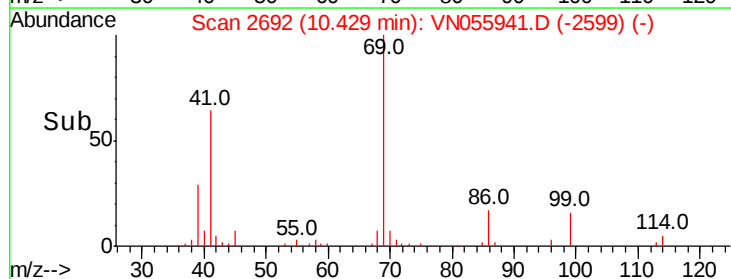
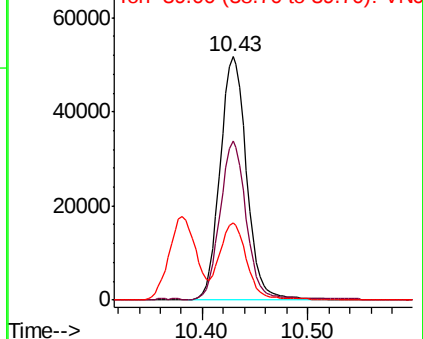


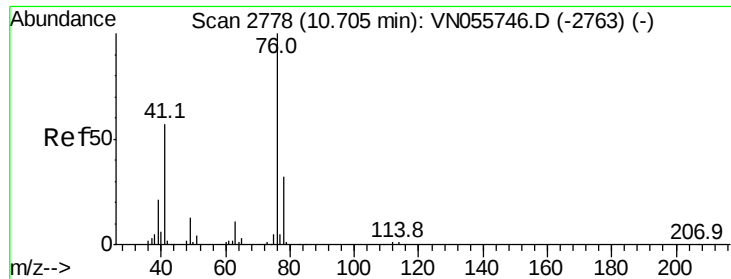
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.052 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 76 Resp: 101615

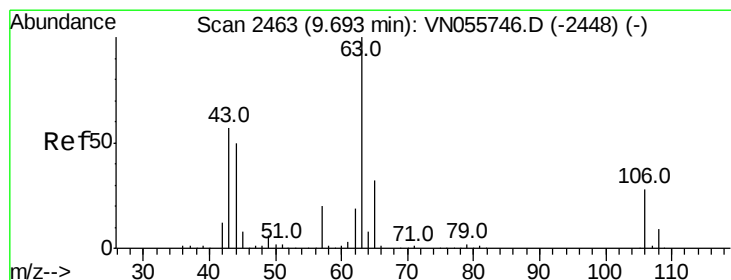
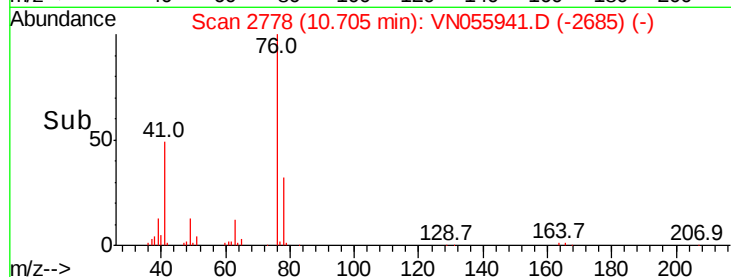
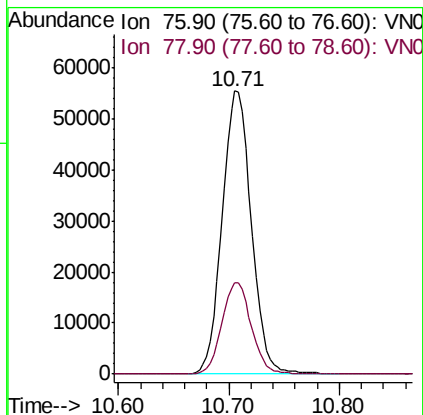
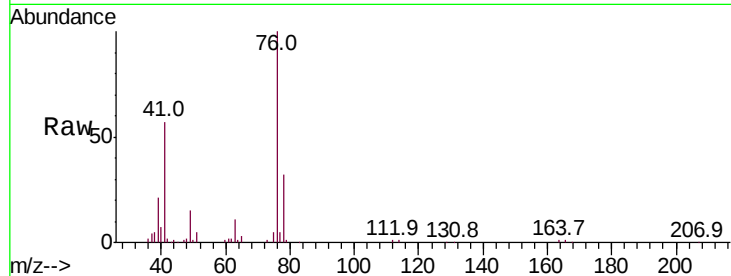
Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 84.704 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055941.D

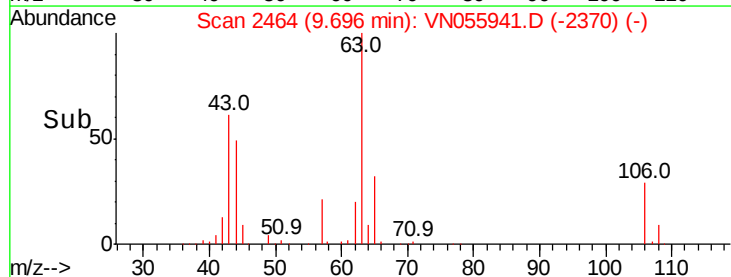
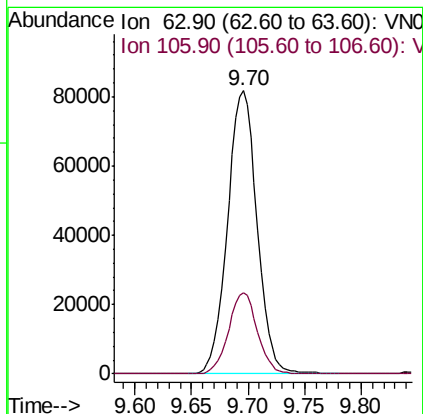
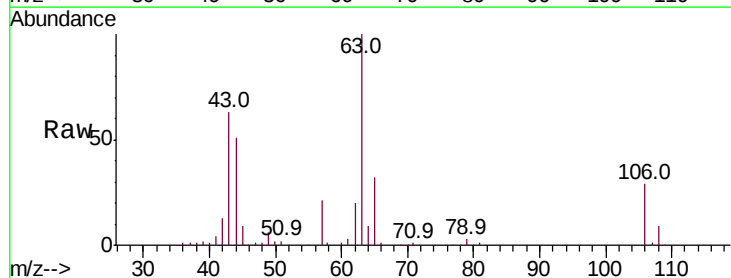
Acq: 1 Jun 2019 2:01

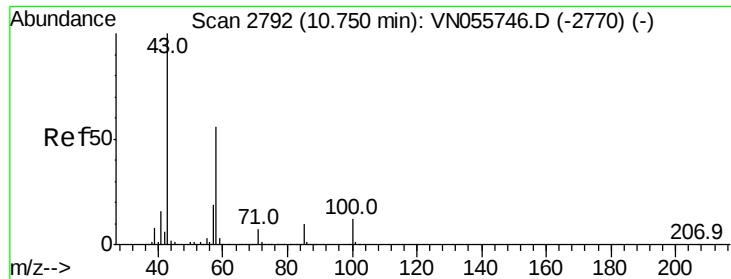
Tgt Ion: 63 Resp: 148559

Ion Ratio Lower Upper

63 100

106 27.9 22.7 34.1





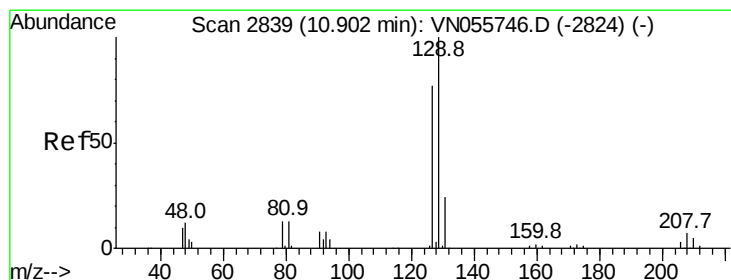
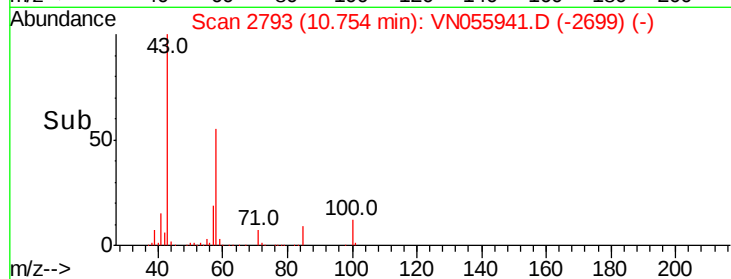
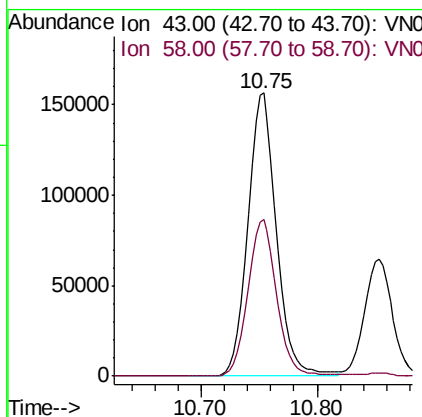
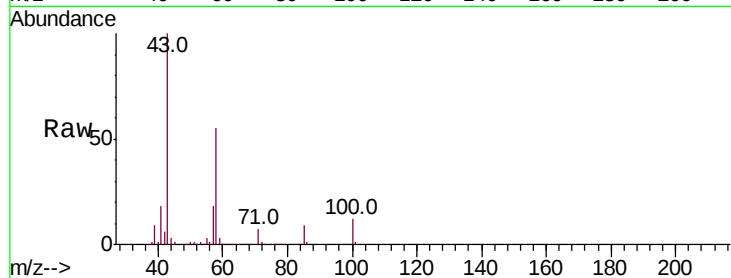
#59
2-Hexanone
Concen: 101.074 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion: 43 Resp: 268927
Ion Ratio Lower Upper
43 100
58 55.9 28.2 84.7

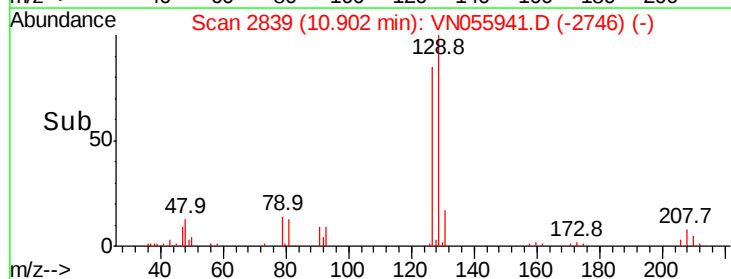
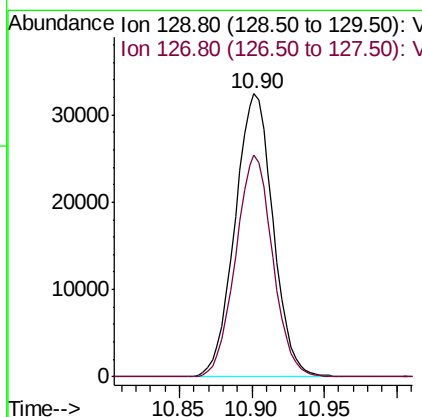
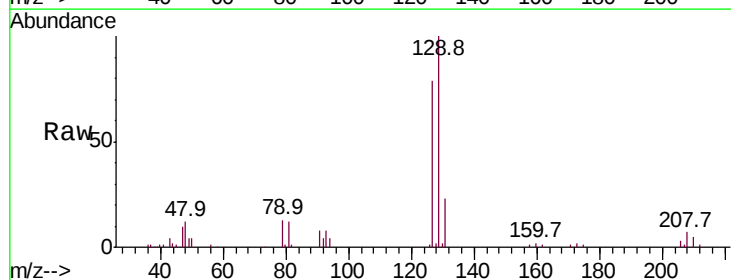
Manual Integrations
APPROVED

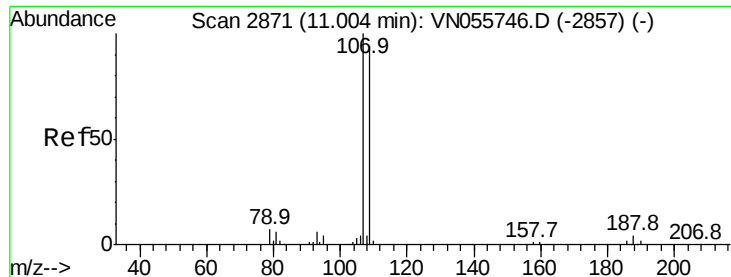
MMDadoda
6/3/2019 4:12:39 PM



#60
Dibromochloromethane
Concen: 17.099 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion: 129 Resp: 59153
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.733 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion:107 Resp: 63860

Ion Ratio Lower Upper

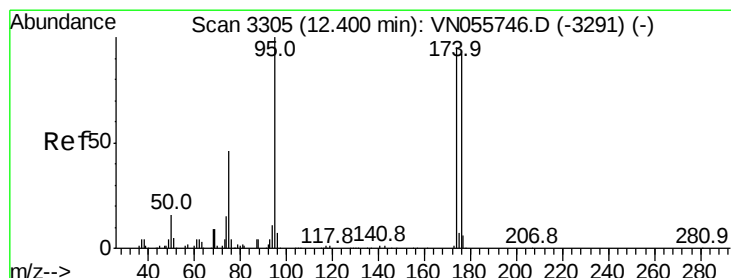
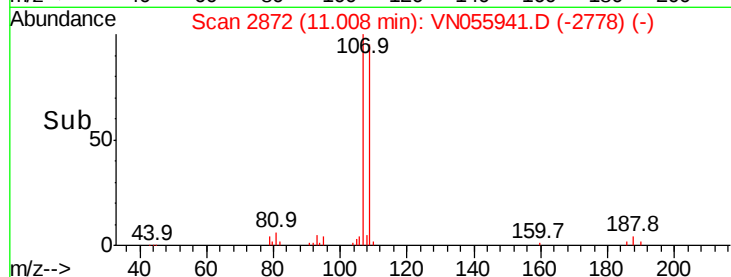
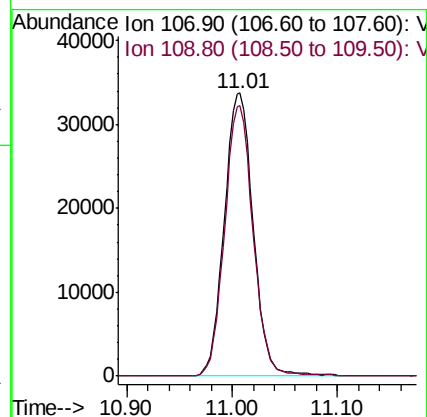
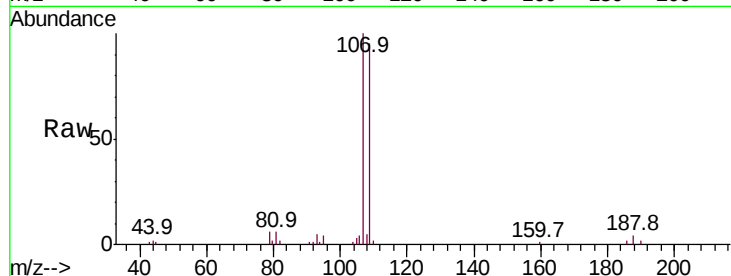
107 100

109 94.2 74.8 112.2

Manual Integrations
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6/3/2019 4:12:39 PM



#62

4-Bromofluorobenzene

Concen: 47.670 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

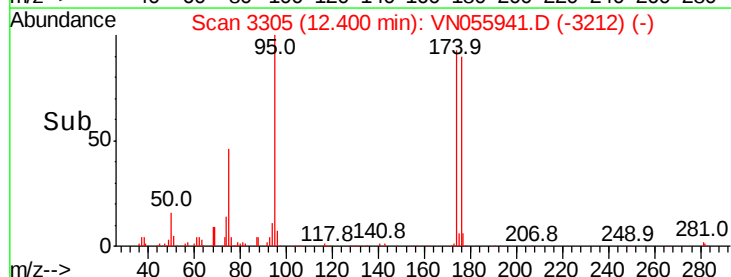
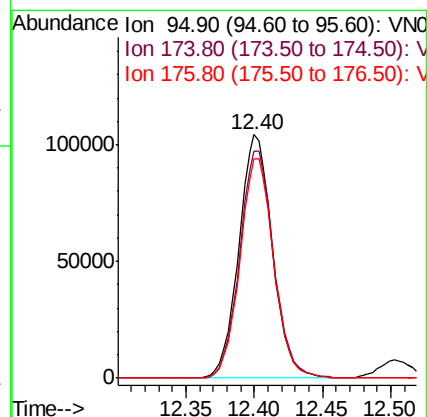
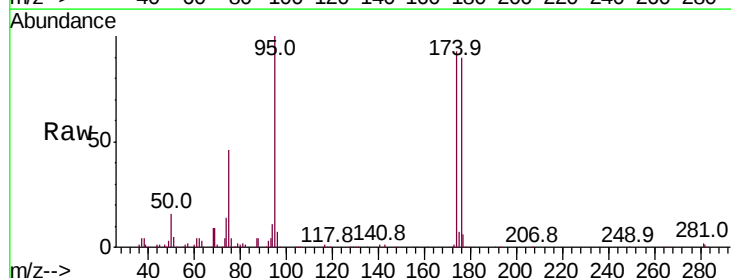
Tgt Ion: 95 Resp: 177889

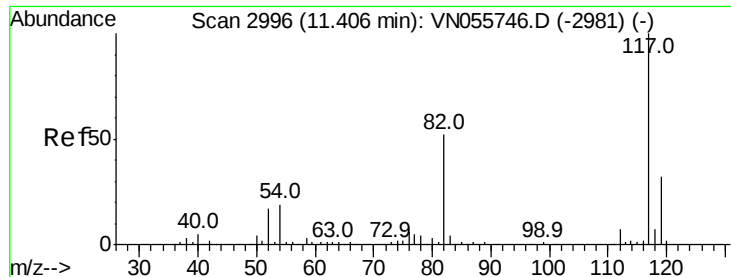
Ion Ratio Lower Upper

95 100

174 94.7 0.0 191.0

176 90.6 0.0 185.2





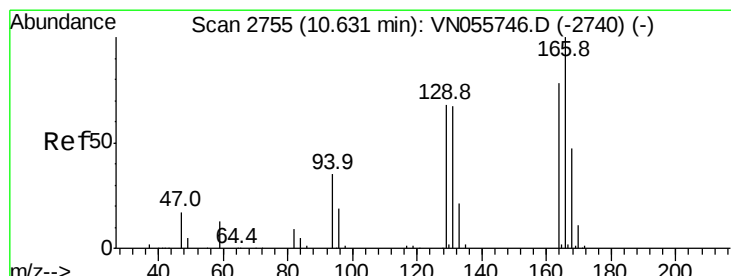
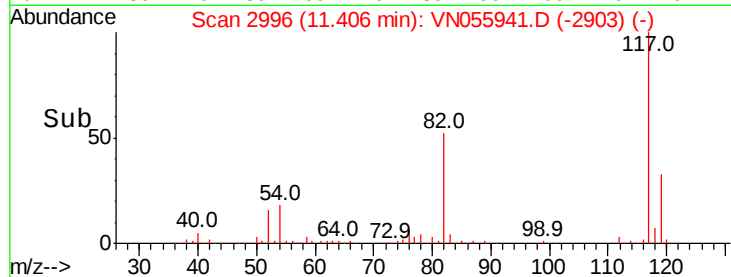
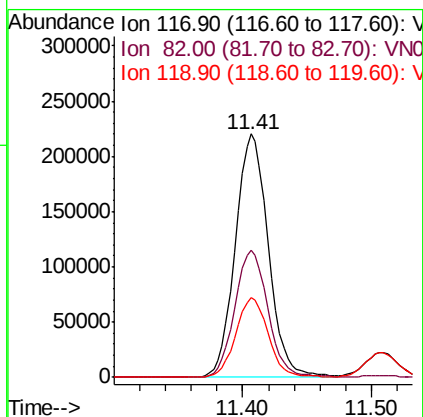
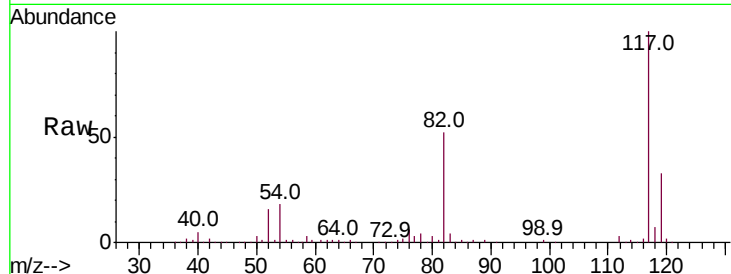
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.8
119	32.5	25.4	38.0

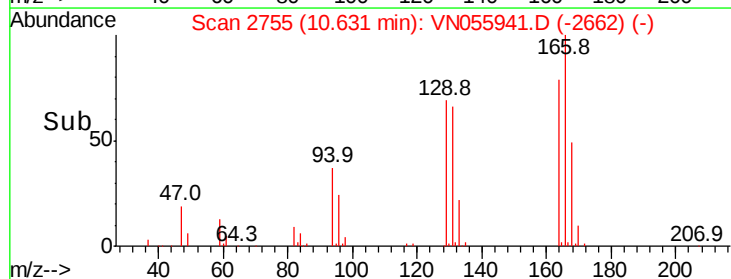
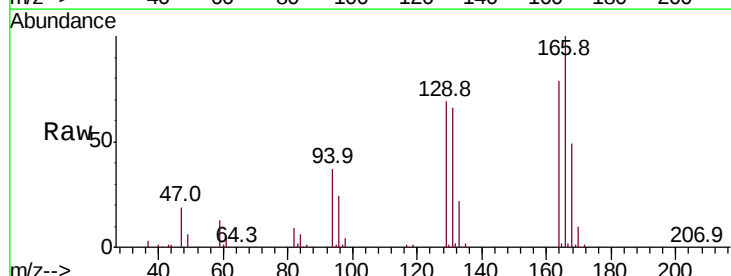
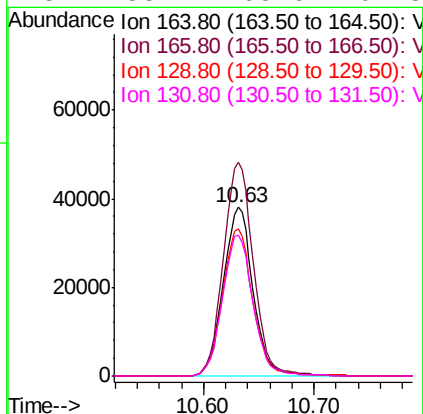
Manual Integrations
APPROVED

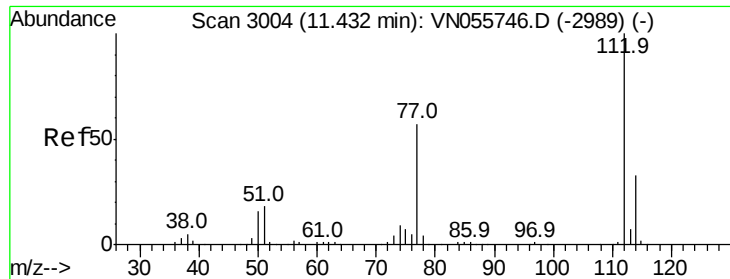
MMDadoda
6/3/2019 4:12:39 PM



#64
Tetrachloroethene
Concen: 21.506 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.0	154.6
129	87.0	70.6	105.8
131	83.7	68.6	102.8





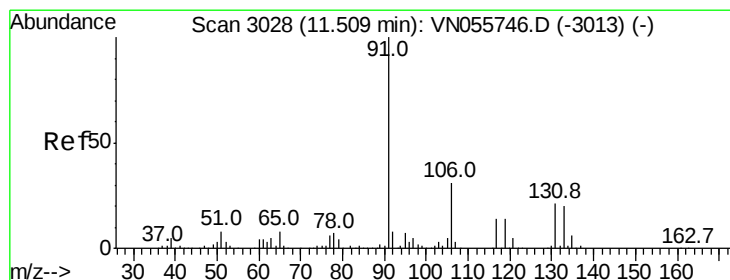
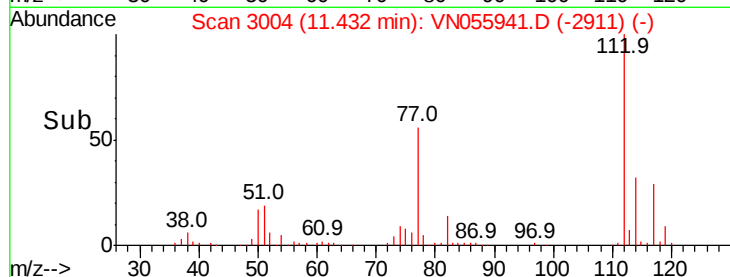
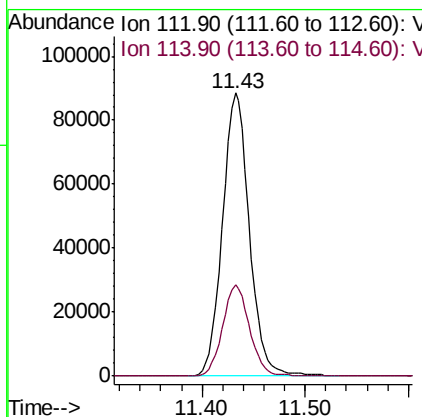
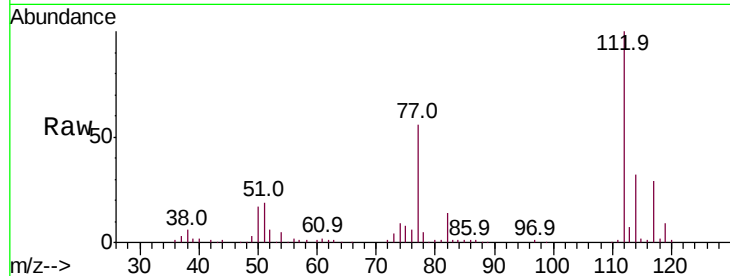
#65
Chlorobenzene
Concen: 20.460 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion:112 Resp: 160645
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4

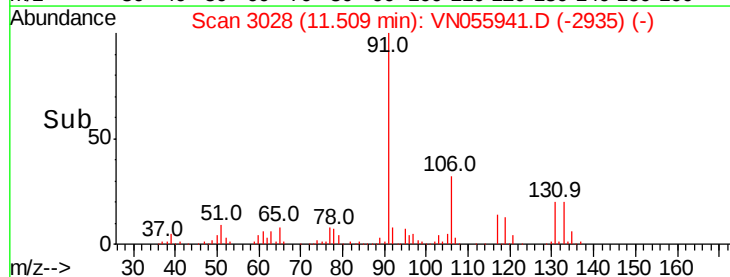
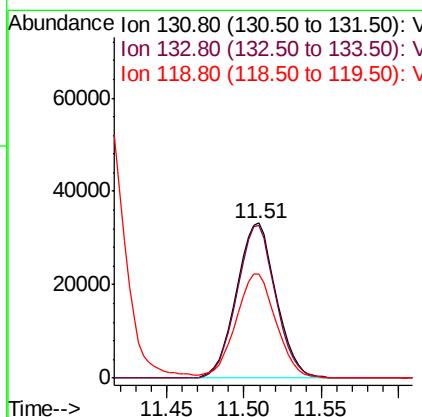
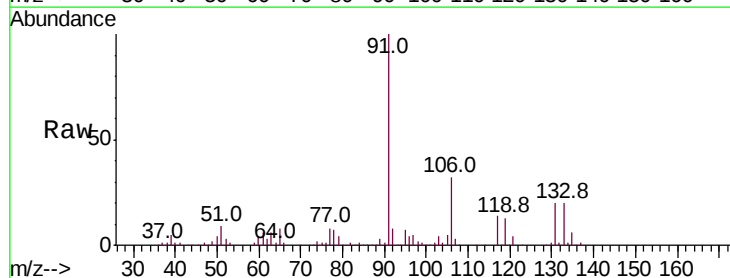
Manual Integrations
APPROVED

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6/3/2019 4:12:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.887 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion:131 Resp: 59143
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 68.1 33.1 99.5





#67

Ethyl Benzene

Concen: 20.031 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 91 Resp: 282037

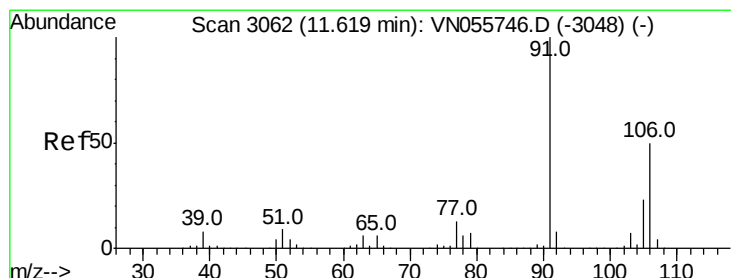
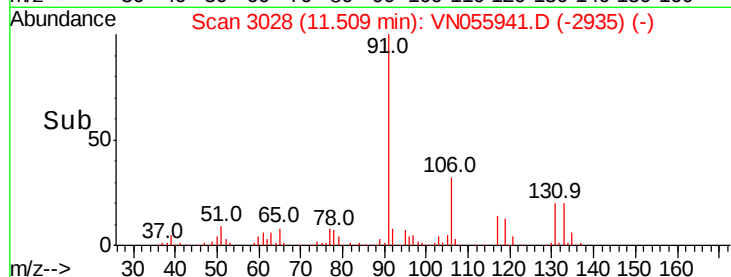
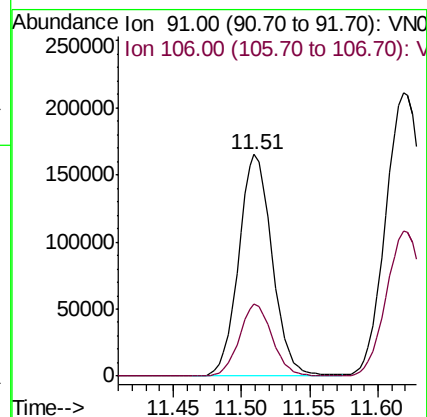
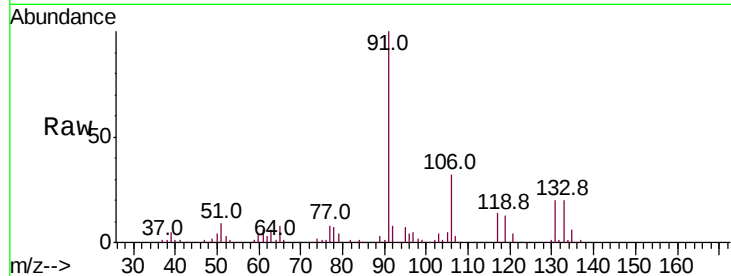
Ion Ratio Lower Upper

91 100

106 32.4 25.1 37.7

Manual Integrations
APPROVED

MMDadoda
6/3/2019 4:12:39 PM



#68

m/p-Xylenes

Concen: 39.940 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055941.D

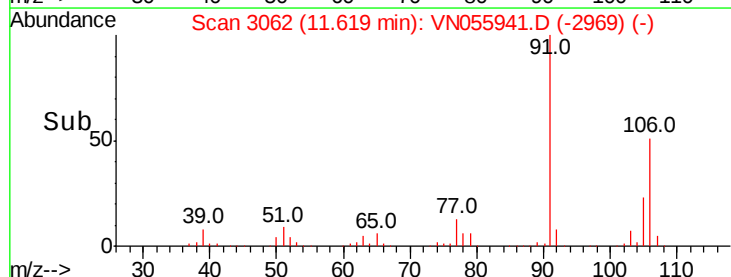
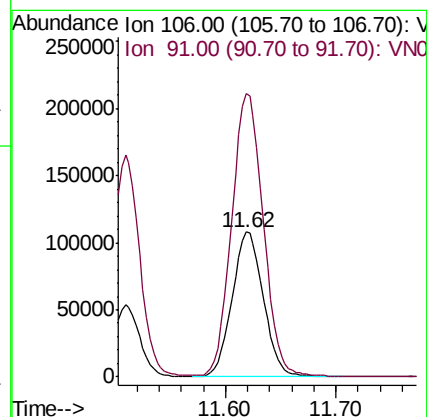
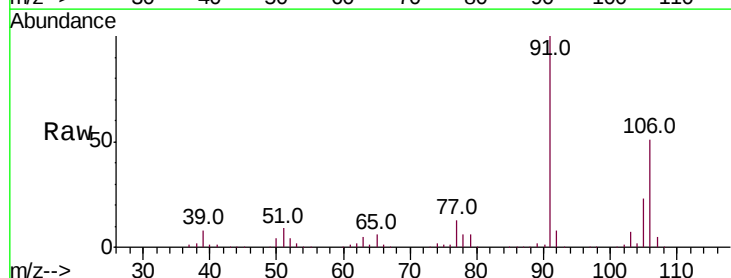
Acq: 1 Jun 2019 2:01

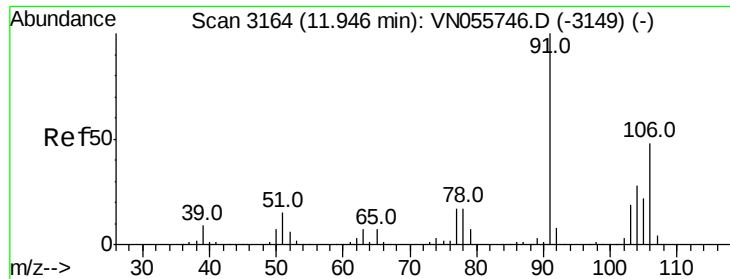
Tgt Ion: 106 Resp: 212599

Ion Ratio Lower Upper

106 100

91 198.0 159.3 238.9





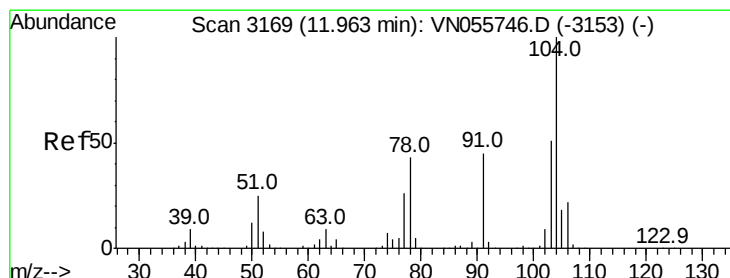
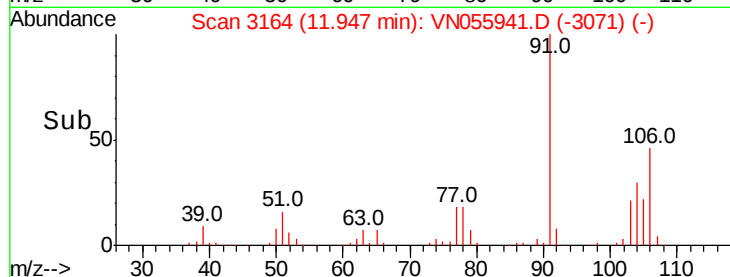
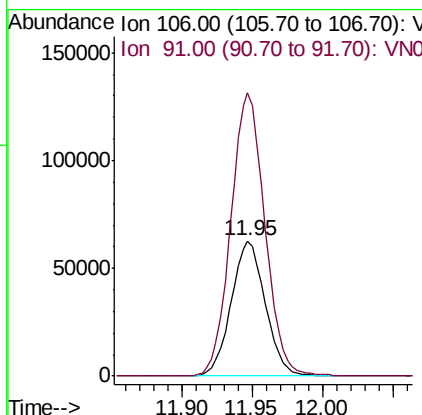
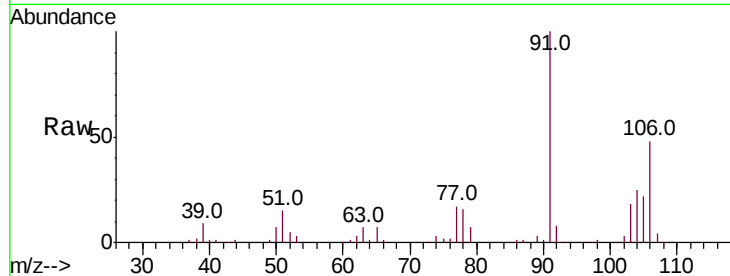
#69
o-Xylene
Concen: 20.081 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion:106 Resp: 106048
Ion Ratio Lower Upper
106 100
91 209.5 104.7 314.1

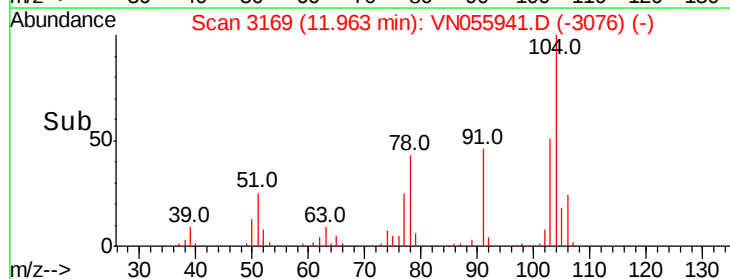
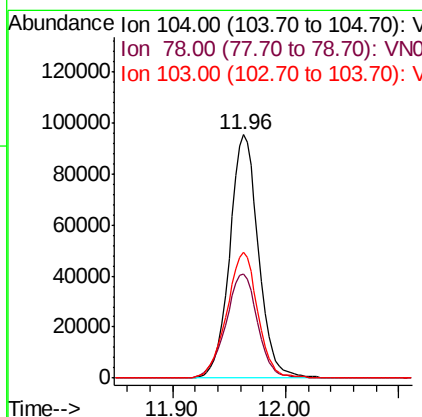
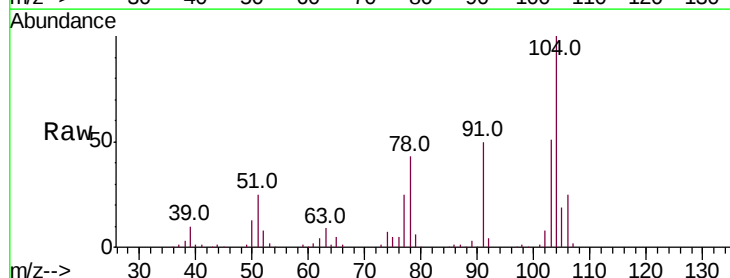
Manual Integrations
APPROVED

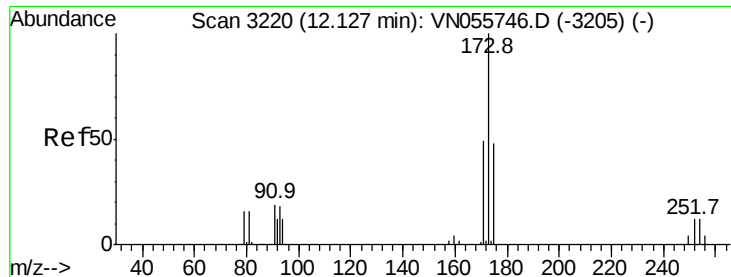
MMDadoda
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#70
Styrene
Concen: 19.677 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion:104 Resp: 168281
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.8 44.2 66.2





#71

Bromoform

Concen: 14.904 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion:173 Resp: 39808

Ion Ratio Lower Upper

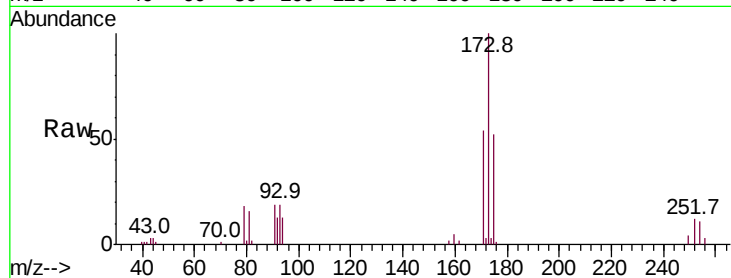
173 100

175 49.9 24.3 72.8

254 0.0 0.0 0.0

Manual Integrations
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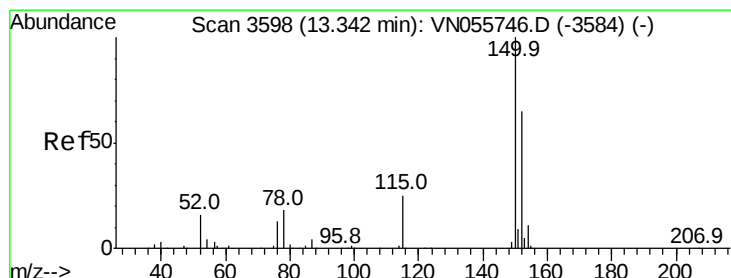
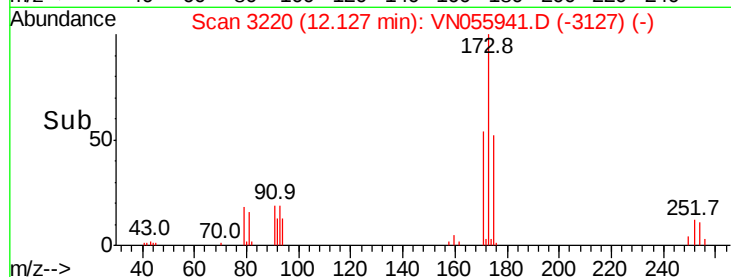
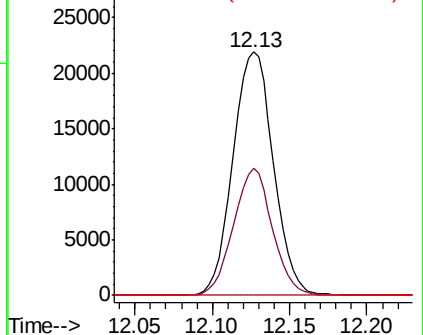
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

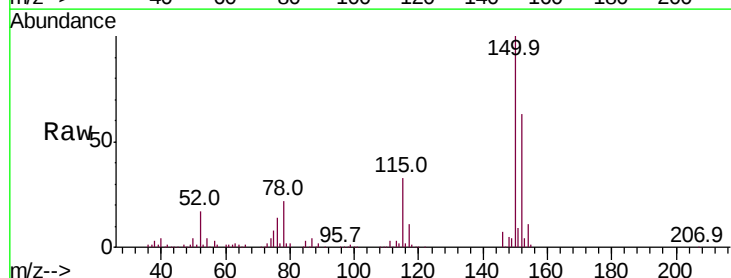
Tgt Ion:152 Resp: 152075

Ion Ratio Lower Upper

152 100

115 53.9 27.0 81.0

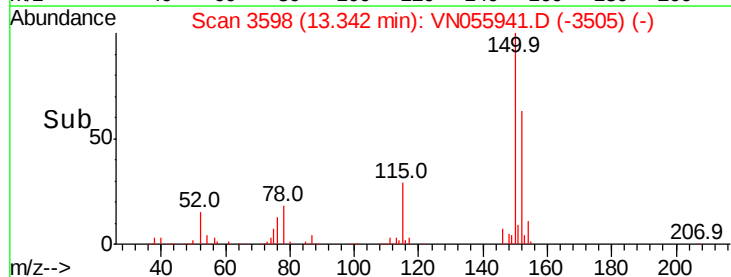
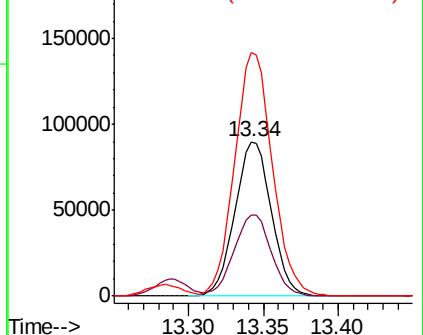
150 164.4 0.0 343.2

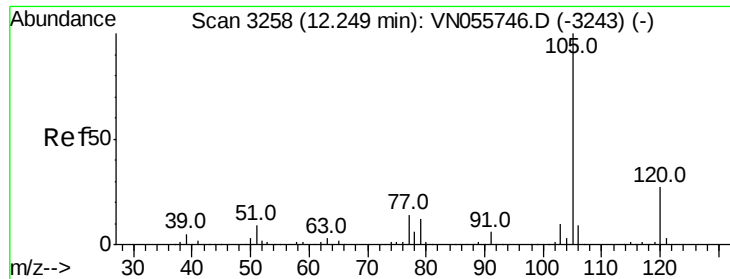


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.416 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion:105 Resp: 278890

Ion Ratio Lower Upper

105 100

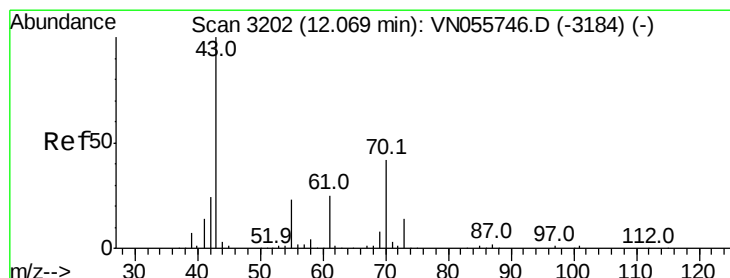
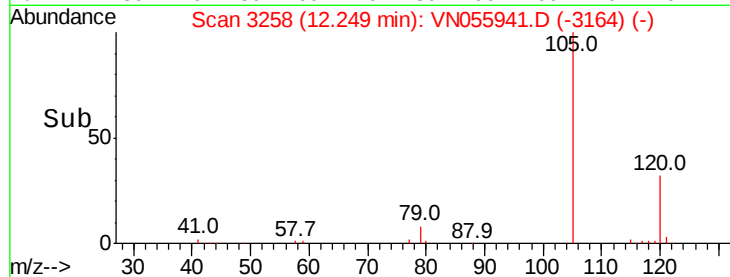
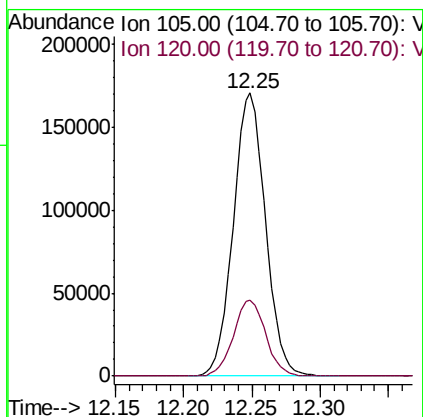
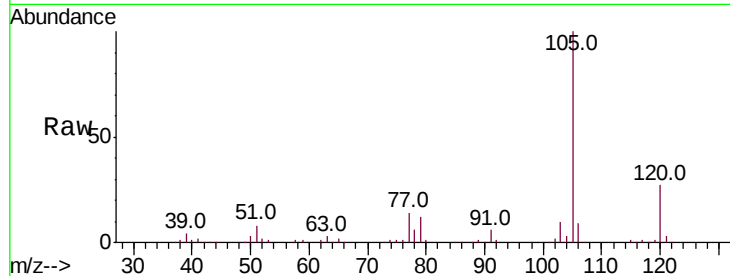
120 26.9 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.109 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion: 43 Resp: 96279

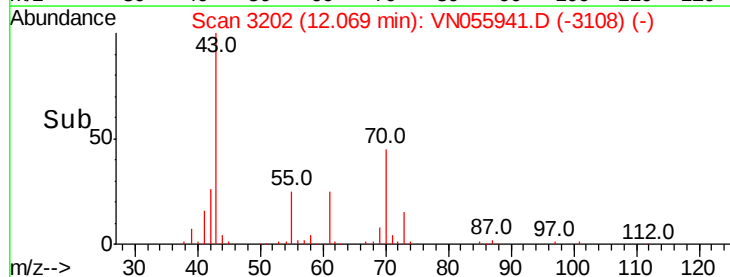
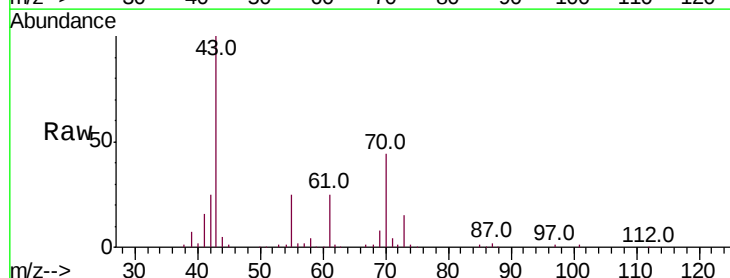
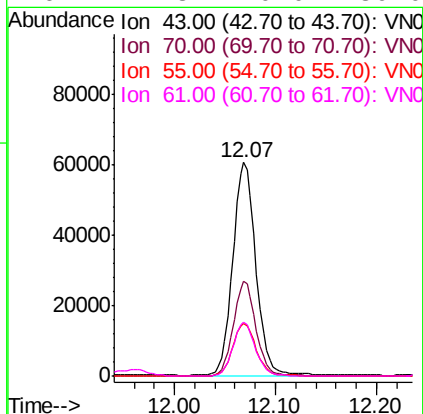
Ion Ratio Lower Upper

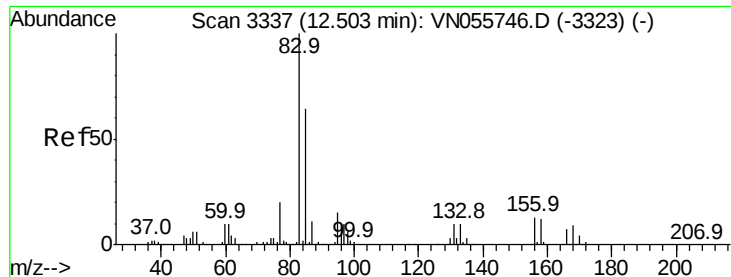
43 100

70 43.3 34.0 51.0

55 25.1 18.6 28.0

61 24.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.461 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

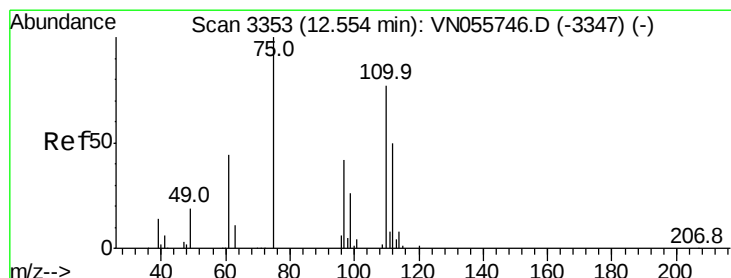
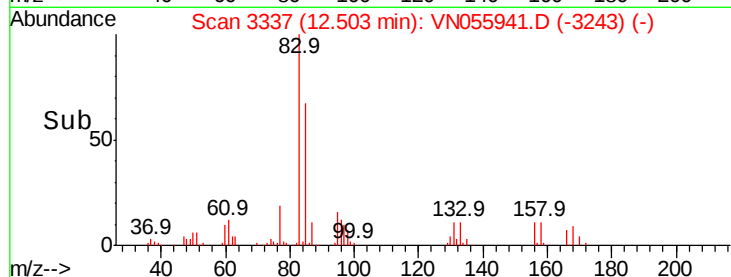
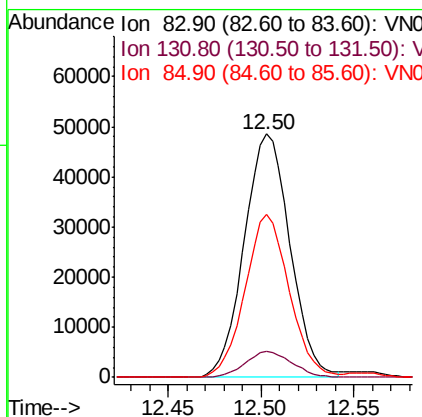
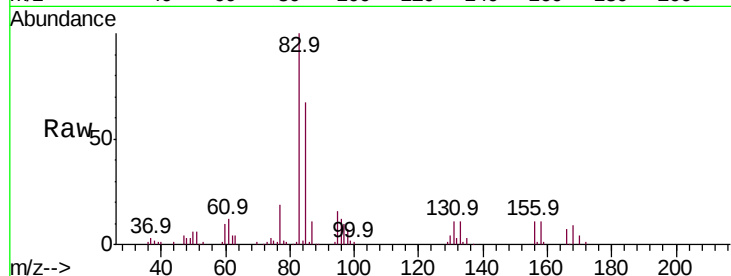
ClientSampleId :

VN0531WBSD02

Tot Ion:	83	Resp:	83789
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.3	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 25.213 ug/l m

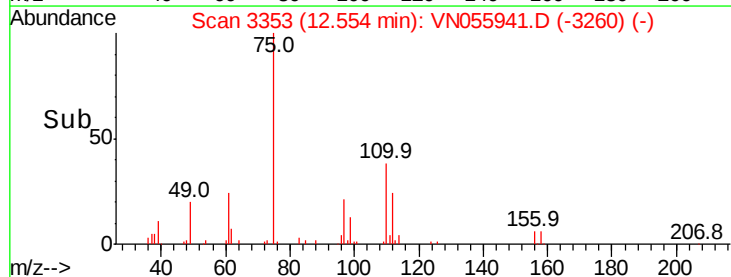
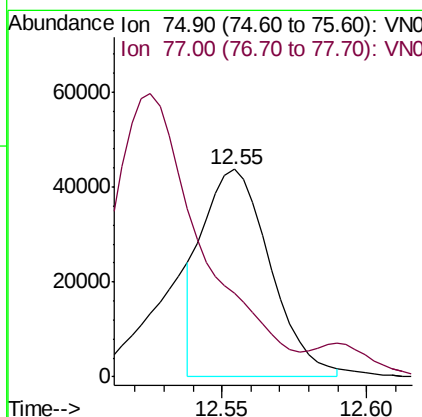
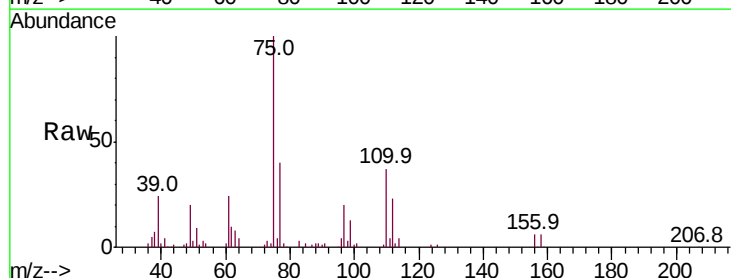
RT: 12.55 min Scan# 3353

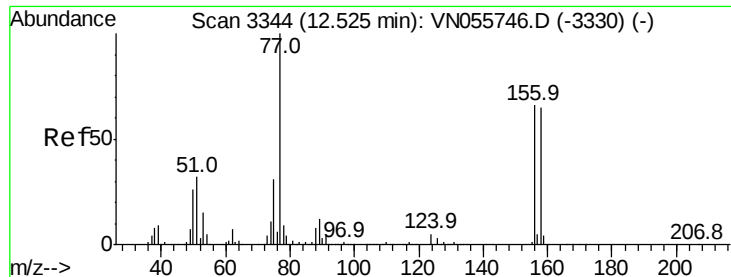
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	75	Resp:	70110
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.346 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

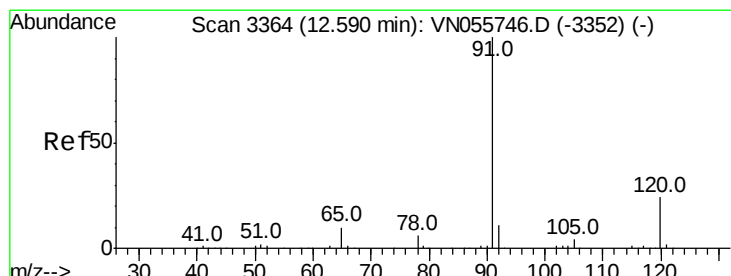
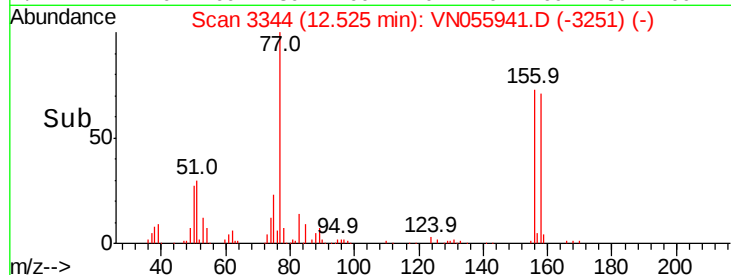
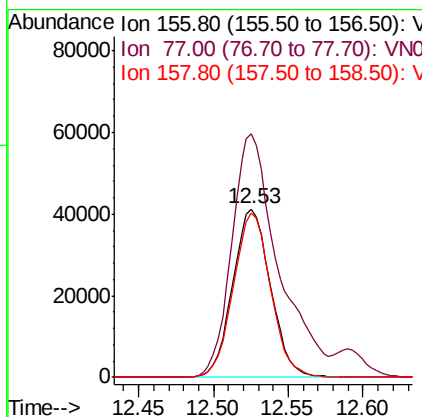
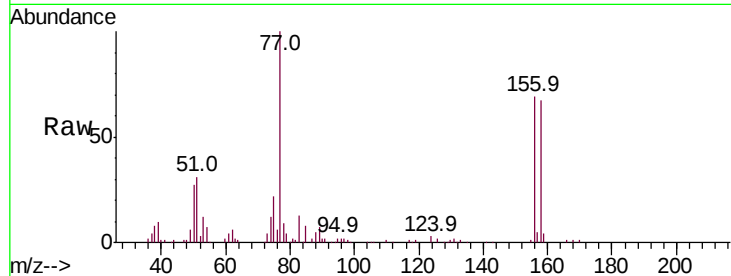
ClientSampleId :

VN0531WBSD02

Tot Ion:	156	Resp:	72515
Ion Ratio	Lower	Upper	
156	100		
77	178.8	90.8	272.5
158	96.4	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.465 ug/l

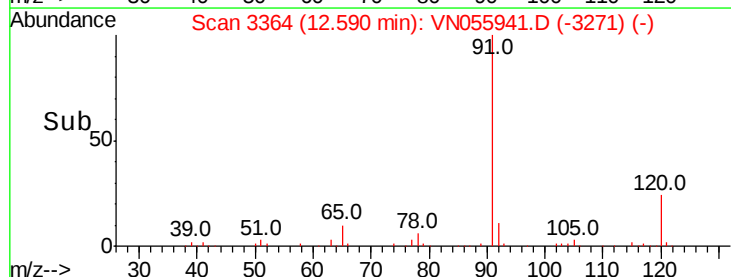
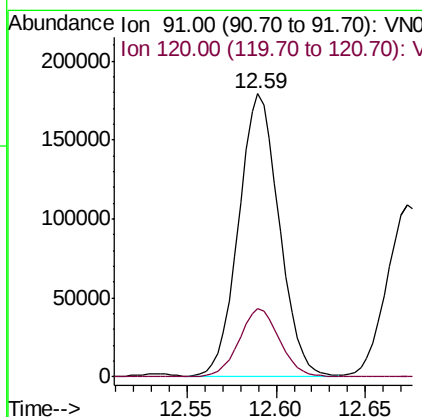
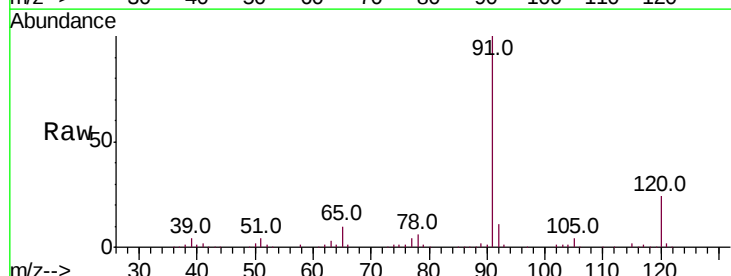
RT: 12.59 min Scan# 3364

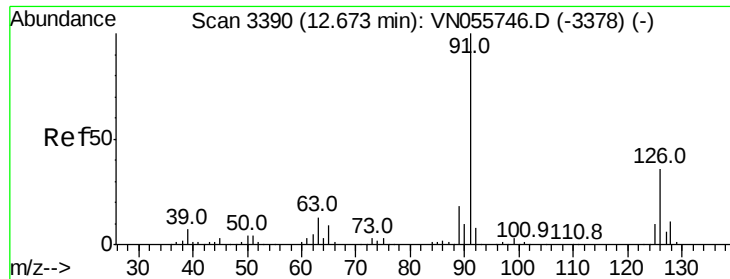
Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Tgt Ion:	91	Resp:	283709
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 24.070 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 91 Resp: 180777

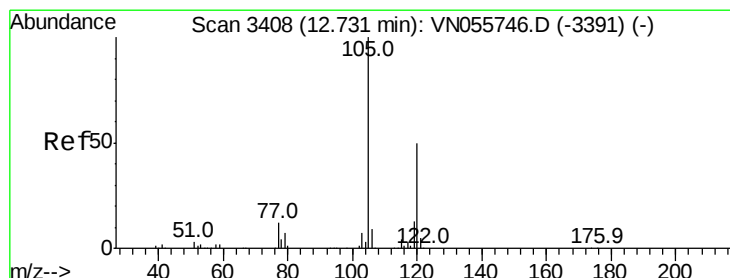
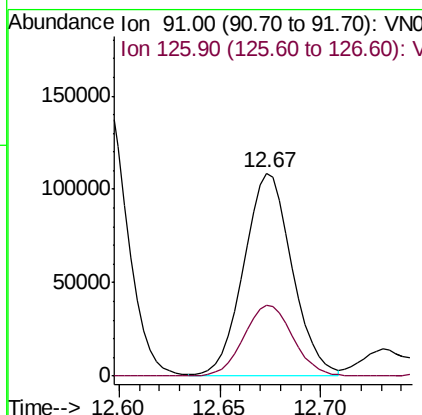
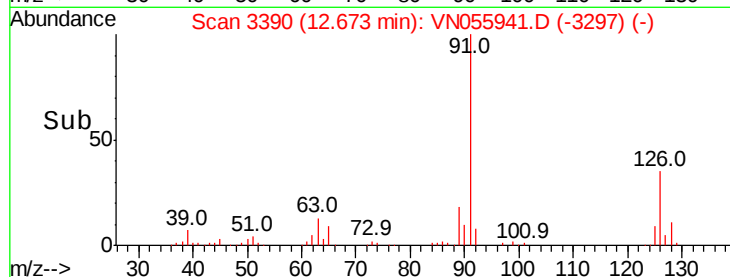
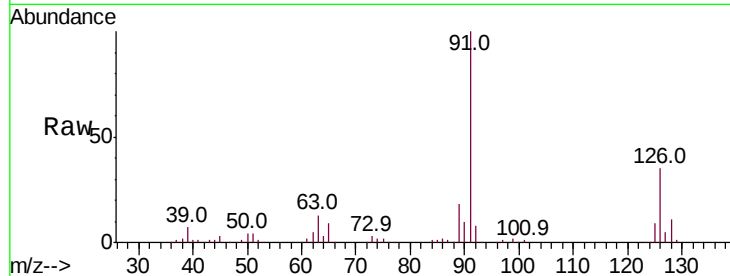
Ion Ratio Lower Upper

91 100

126 35.9 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 23.549 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055941.D

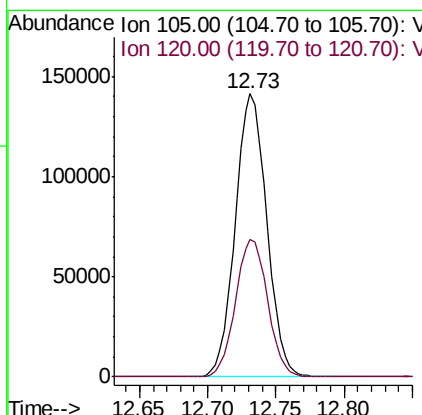
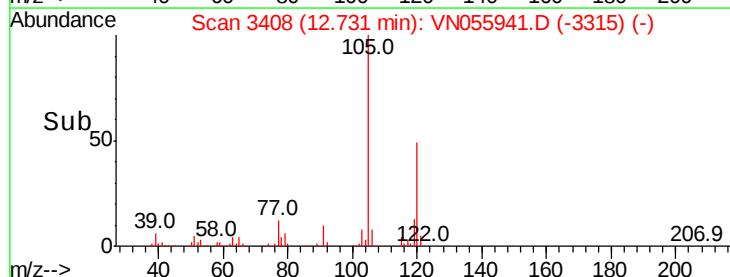
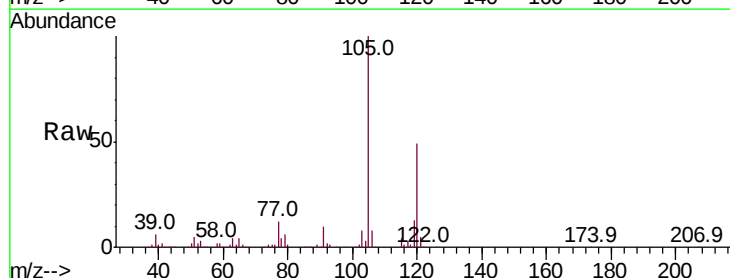
Acq: 1 Jun 2019 2:01

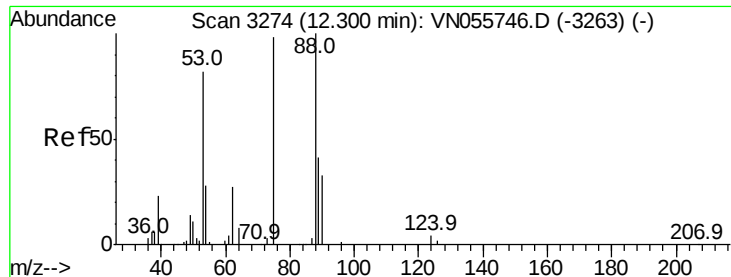
Tgt Ion: 105 Resp: 226761

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.590 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055941.D

Acq: 1 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD02

Tot Ion: 75 Resp: 16491

Ion Ratio Lower Upper

75 100

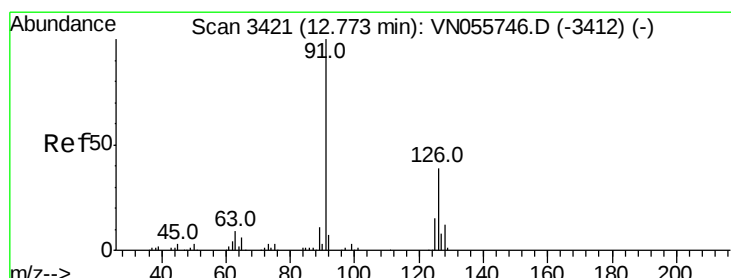
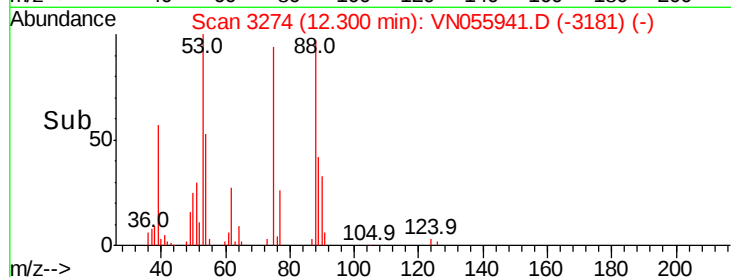
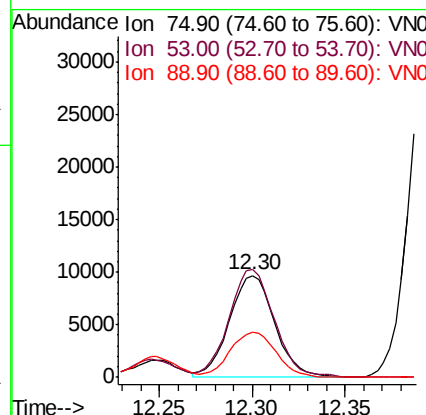
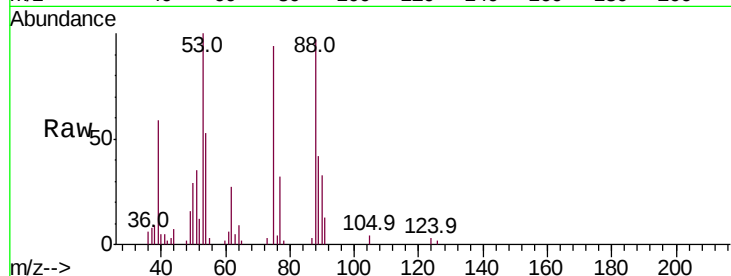
53 106.3 68.1 102.1#

89 45.2 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.334 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055941.D

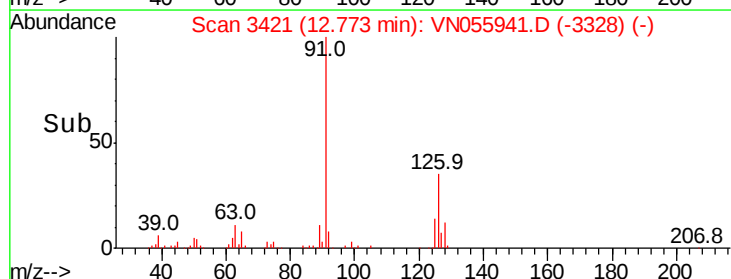
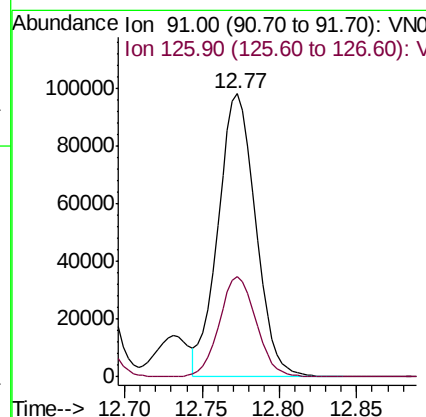
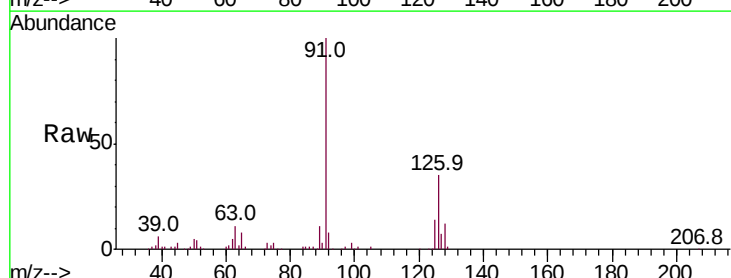
Acq: 1 Jun 2019 2:01

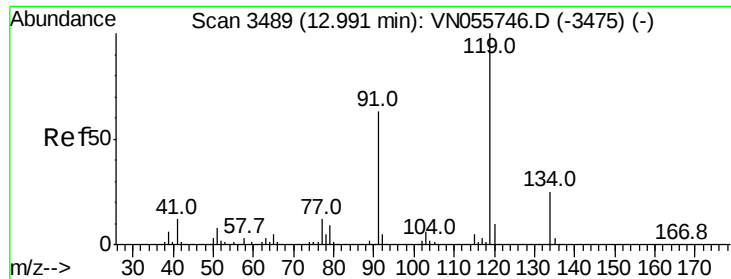
Tgt Ion: 91 Resp: 165756

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.3





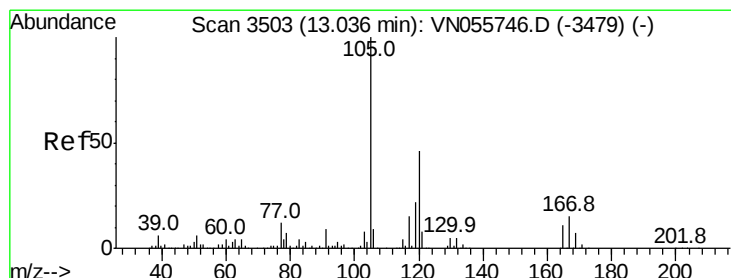
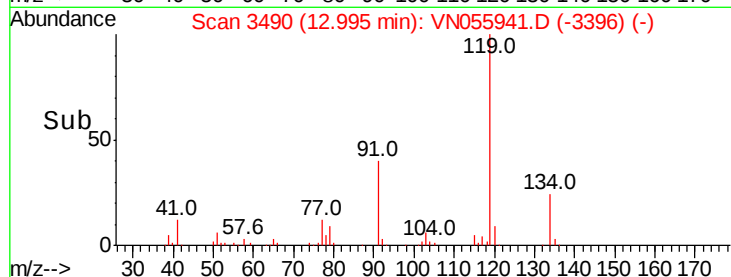
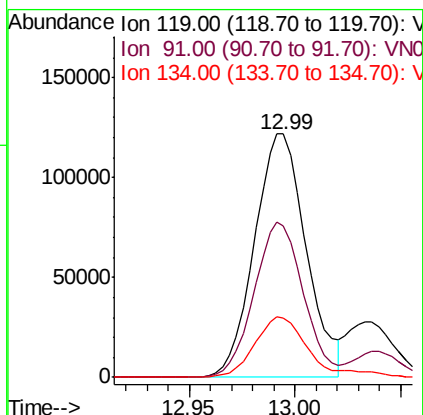
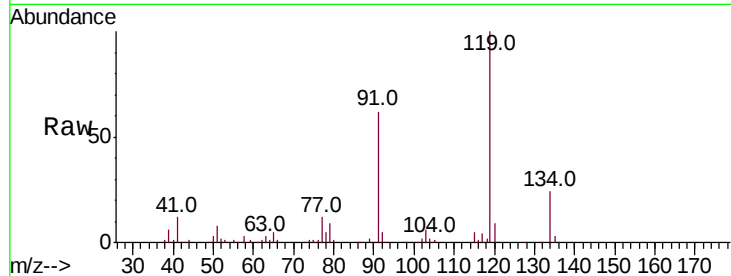
#83
tert-Butylbenzene
Concen: 24.876 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207759		
91	60.7		30.9	92.8
134	25.9		13.3	39.8

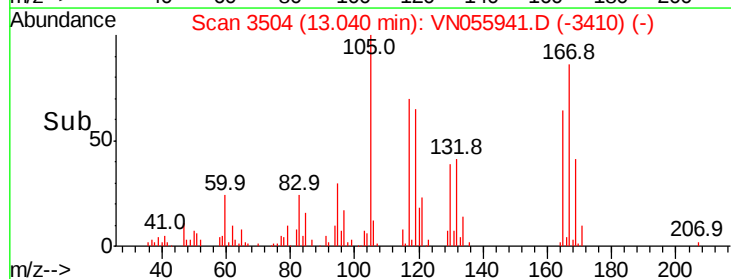
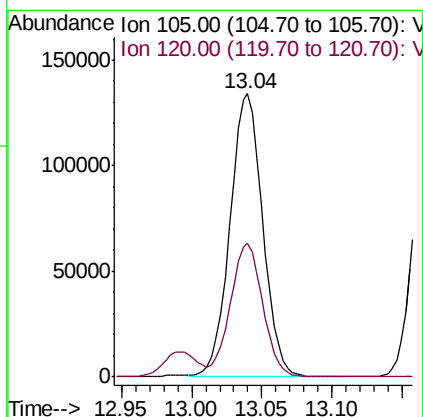
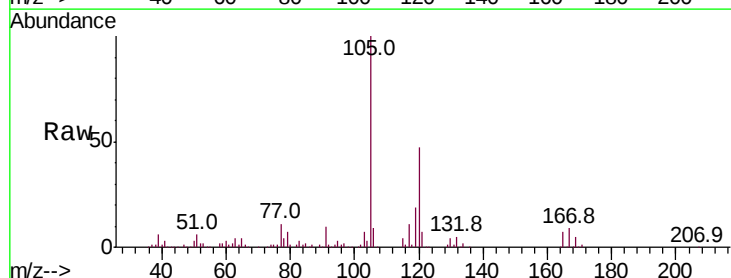
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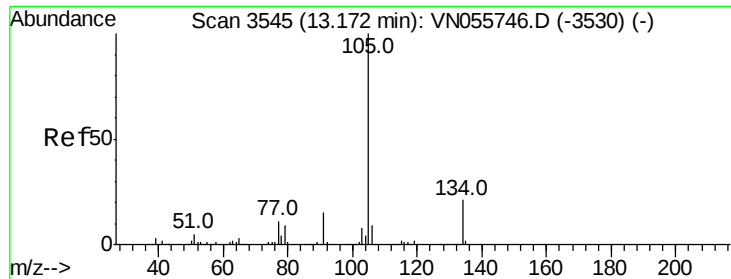
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.648 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217531		
120	46.8		23.0	69.0





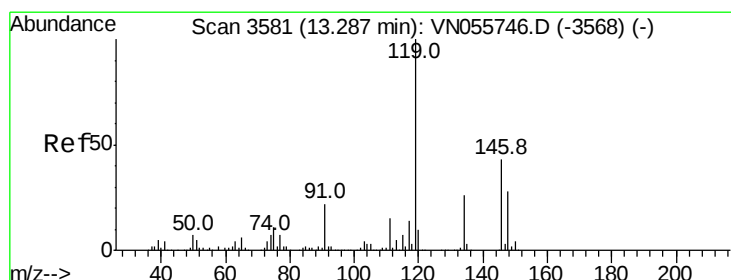
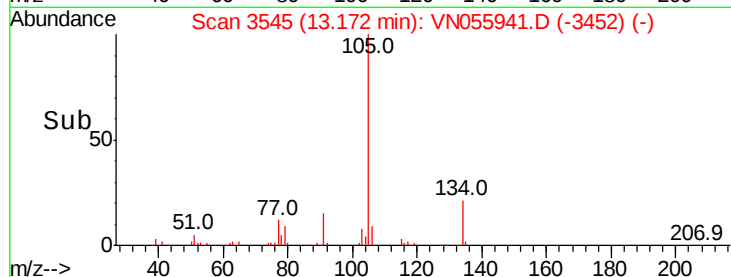
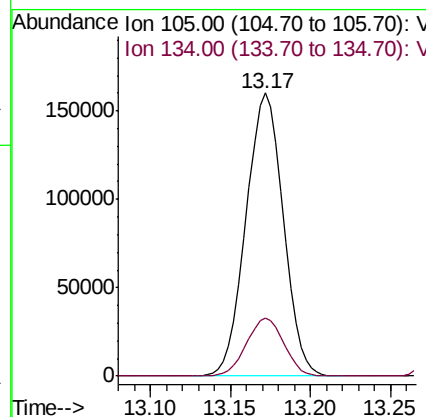
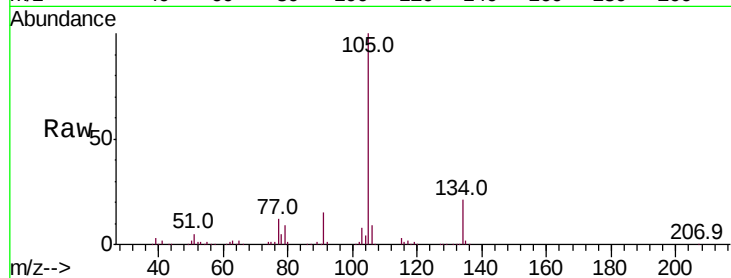
#85
 sec-Butylbenzene
 Concen: 23.655 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.2

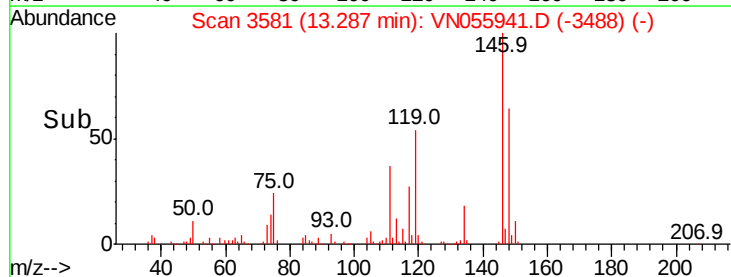
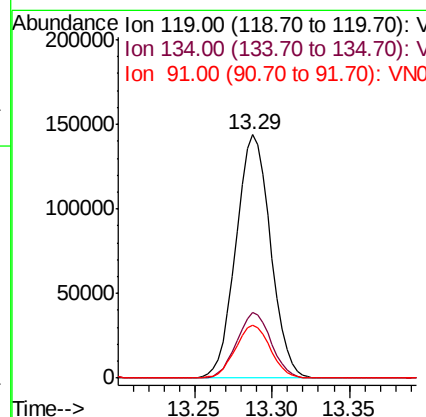
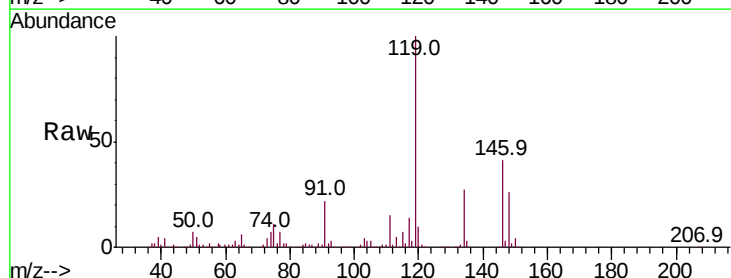
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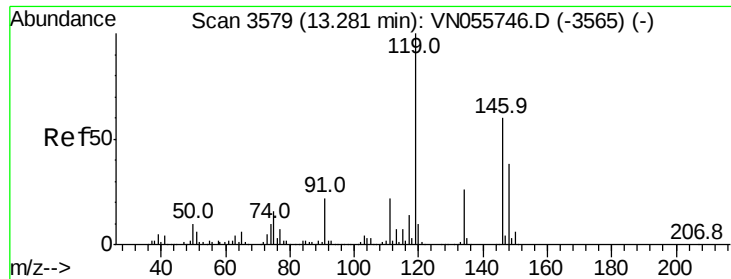
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#86
 p-Isopropyltoluene
 Concen: 21.106 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.1
91	22.2	10.9	32.9





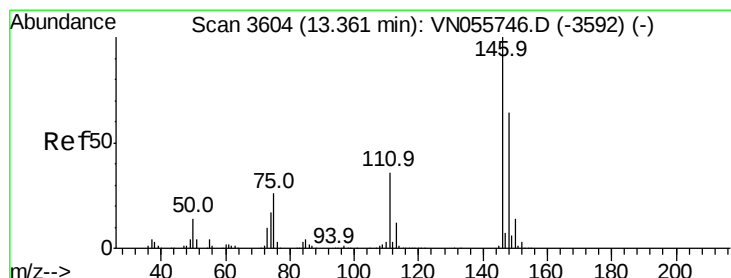
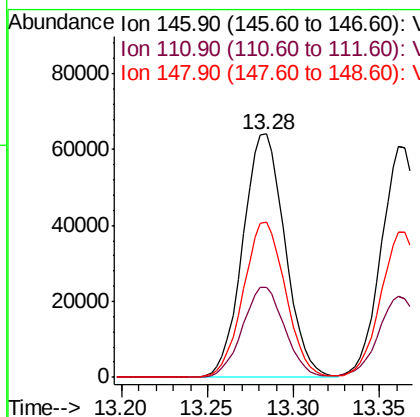
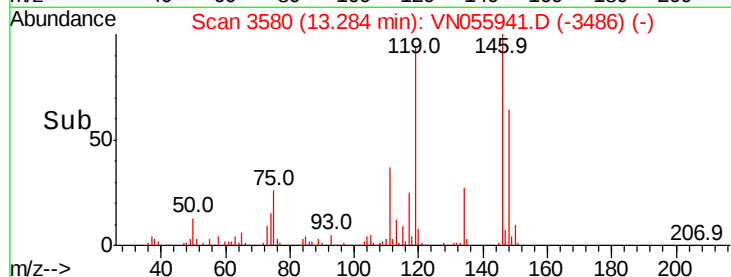
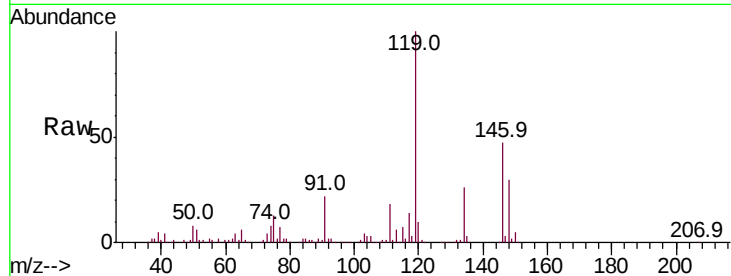
#87
 1,3-Dichlorobenzene
 Concen: 21.180 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	63.8	32.0	96.2

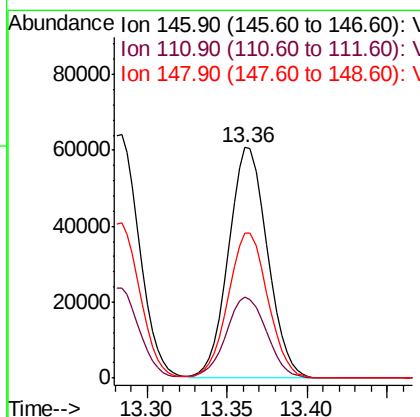
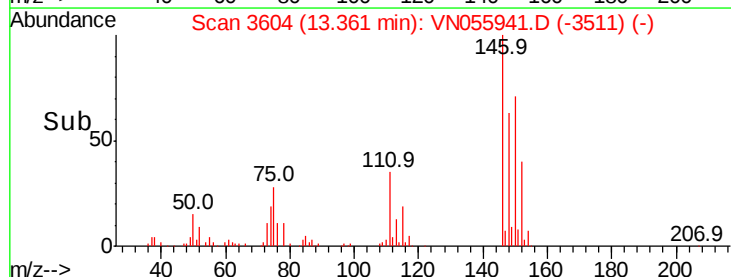
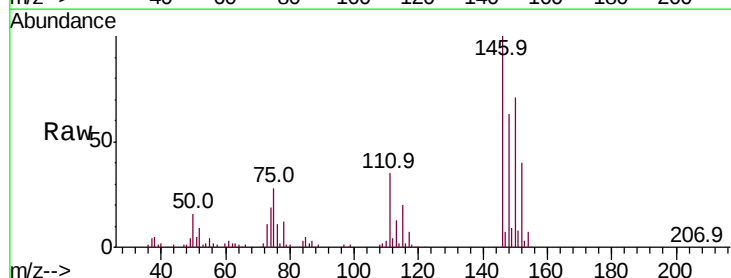
Manual Integrations
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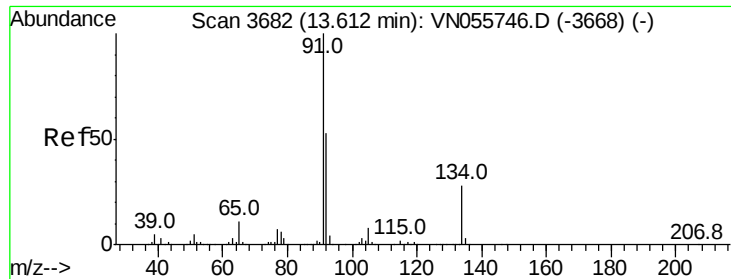
MMDadoda
 6/3/2019 4:12:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.639 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.4
148	64.4	32.1	96.5





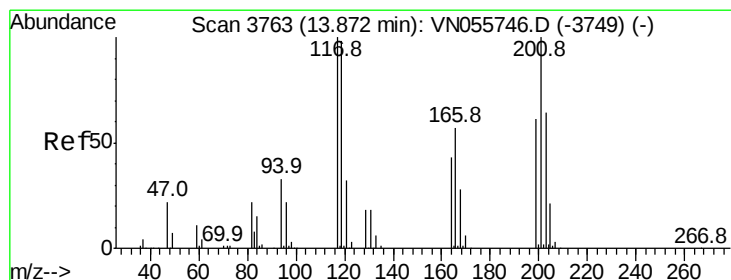
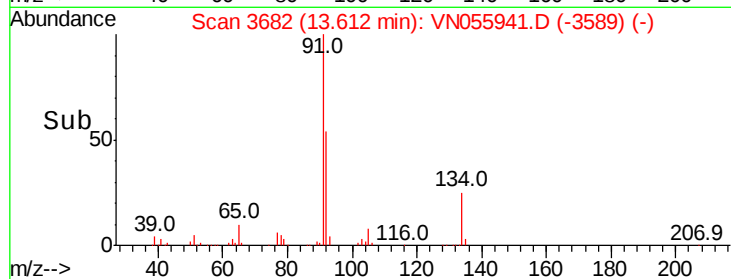
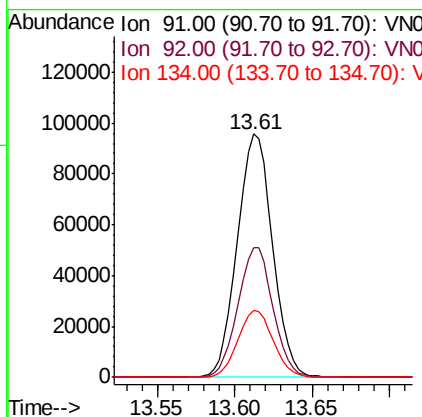
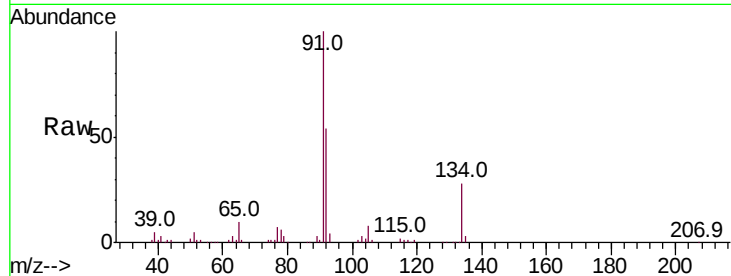
#89
n-Butylbenzene
Concen: 18.757 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.0
134	27.4	13.9	41.7

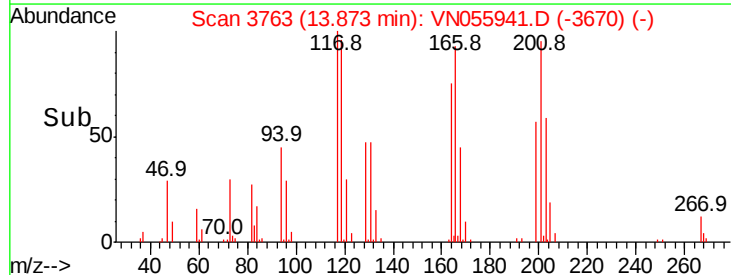
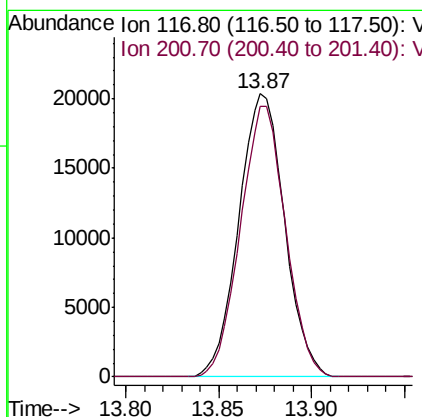
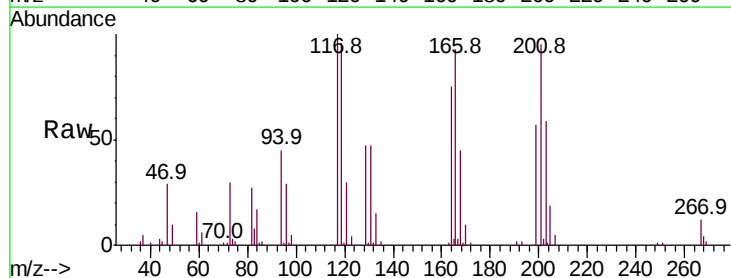
Manual Integrations
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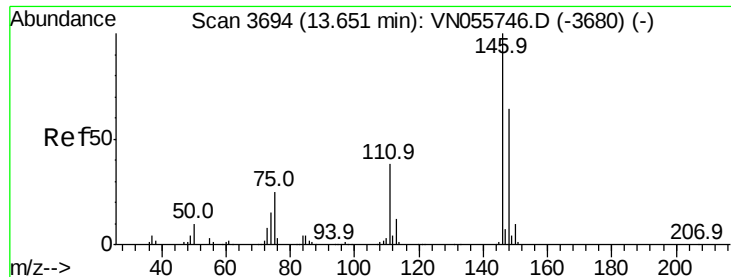
MMDadoda
6/3/2019 4:12:39 PM



#90
Hexachloroethane
Concen: 17.404 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	50.0	150.0





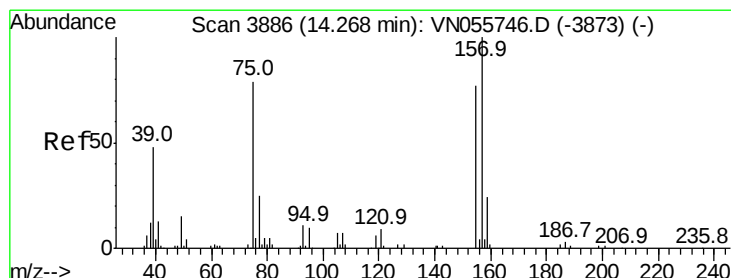
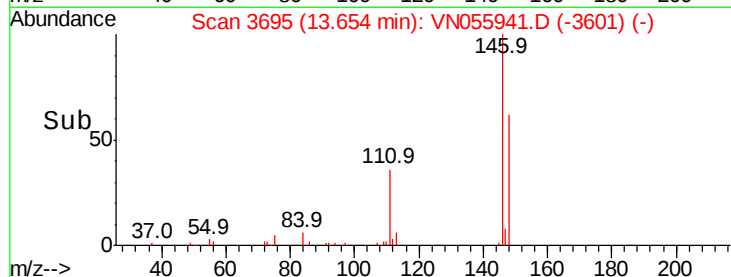
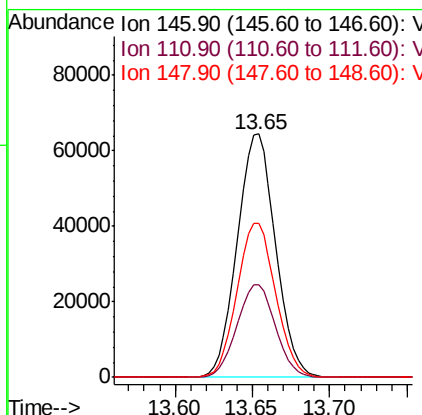
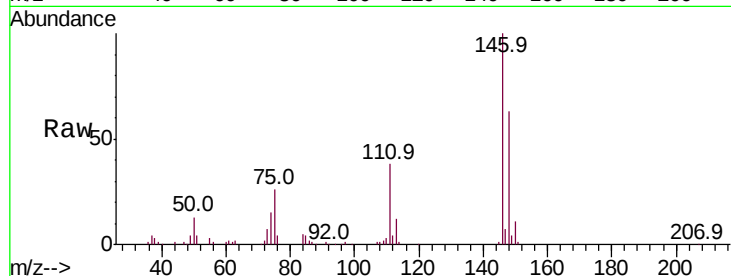
#91
 1,2-Dichlorobenzene
 Concen: 21.618 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.8	31.9	95.9

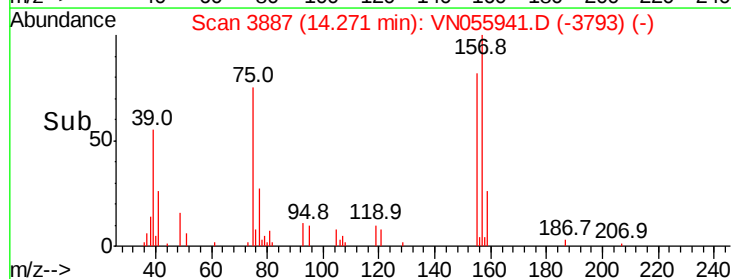
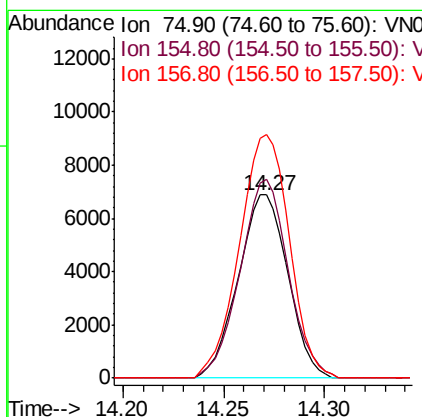
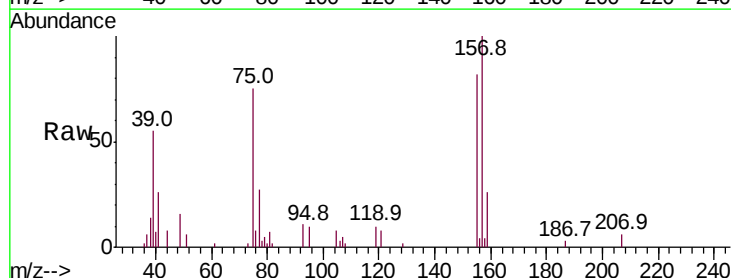
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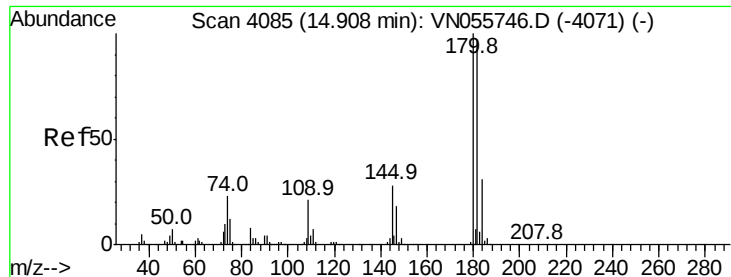
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.588 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.6	50.0	150.1
157	134.2	64.8	194.3





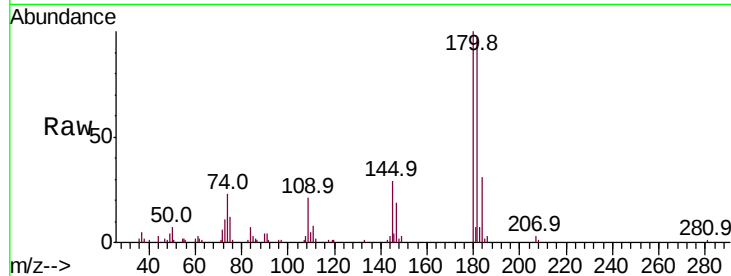
#93
 1,2,4-Trichlorobenzene
 Concen: 17.357 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD02

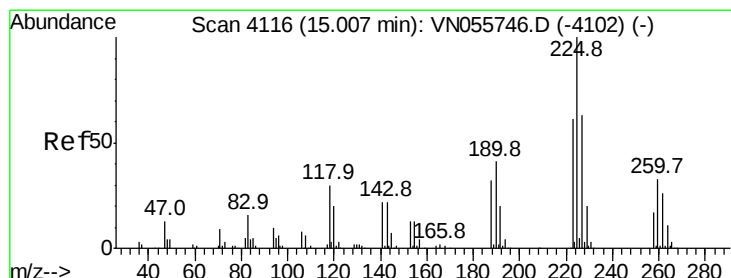
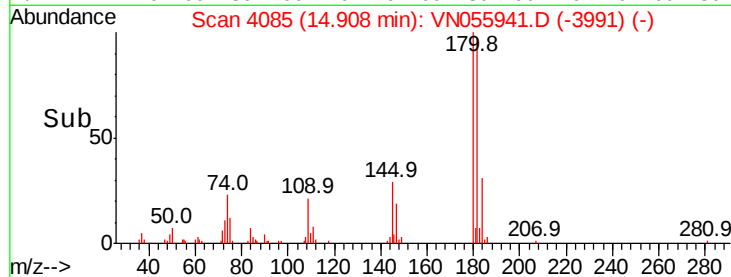
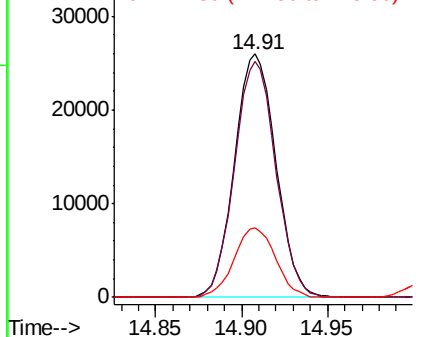
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.3	144.9	
145	28.4	14.0	41.9	

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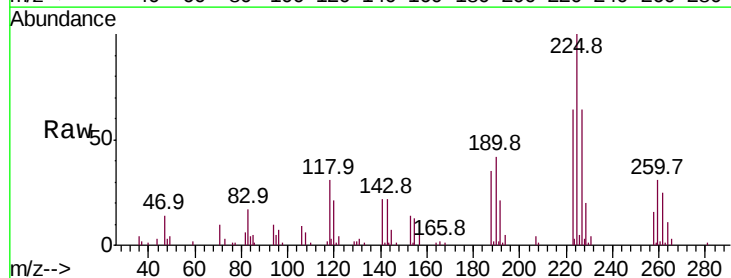


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

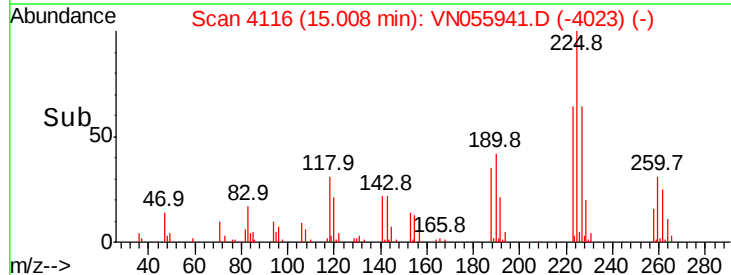
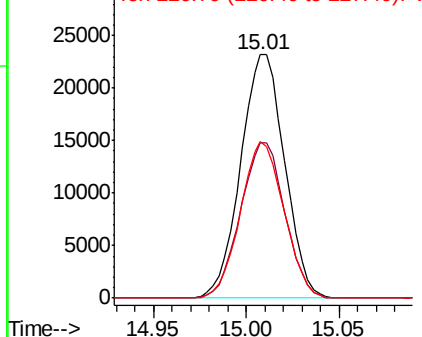


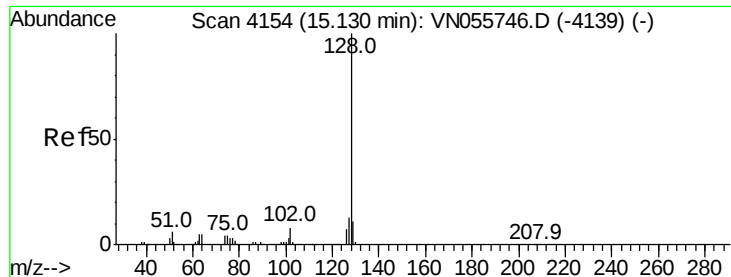
#94
 Hexachlorobutadiene
 Concen: 20.087 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055941.D
 Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	30.9	92.7	
227	63.4	31.6	94.7	



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





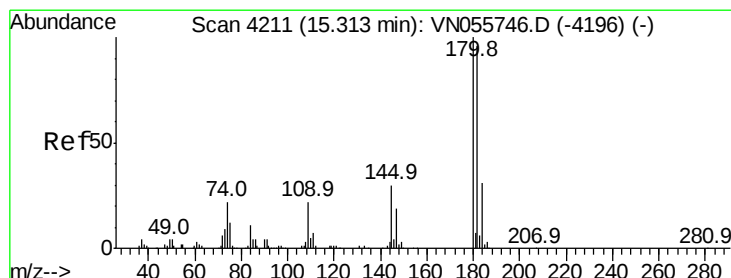
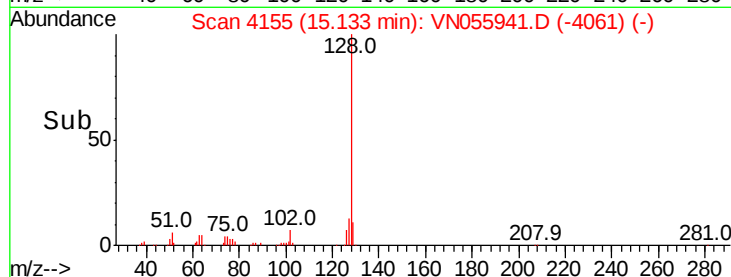
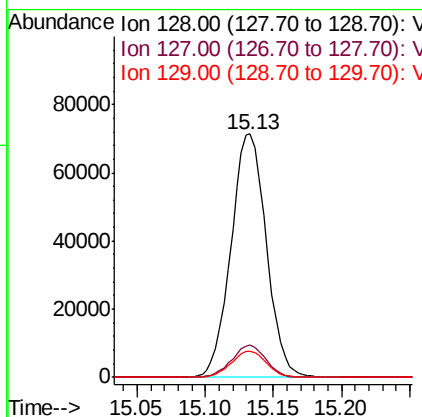
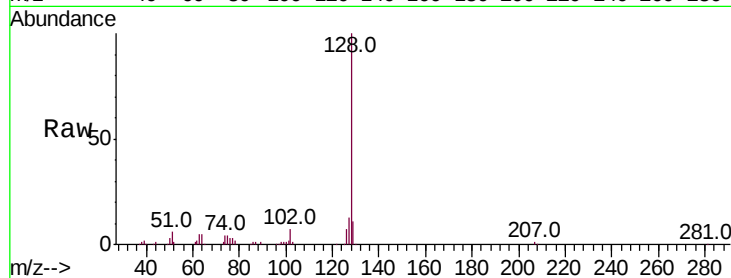
#95
Naphthalene
Concen: 18.226 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.5	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 18.822 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055941.D
Acq: 1 Jun 2019 2:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	30.4	14.9	44.7

