

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056165.D
 Acq On : 10 Jun 2019 13:17
 Operator : JC/SP
 Sample : VN0610WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Manual Integrations
 APPROVED

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 6/11/2019 12:08:18 PM

Quant Time: Jun 11 03:53:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	286885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	422749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	372133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	145839	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.59	113	131744	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	486334	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	155959	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	59862	19.213	ug/l	98
3) Chloromethane	2.06	50	63247	20.338	ug/l	98
4) Vinyl Chloride	2.18	62	63261	20.279	ug/l	98
5) Bromomethane	2.53	94	39442	20.016	ug/l	100
6) Chloroethane	2.68	64	35657	19.715	ug/l	100
7) Trichlorofluoromethane	3.00	101	79220	19.893	ug/l	99
8) Diethyl Ether	3.40	74	31595	19.293	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49640	20.520	ug/l	99
10) Methyl Iodide	3.94	142	69121	17.980	ug/l	99
11) Tert butyl alcohol	4.82	59	46826	94.463	ug/l	99
12) 1,1-Dichloroethene	3.72	96	47471	19.711	ug/l	93
13) Acrolein	3.60	56	11412	79.824	ug/l	97
14) Allyl chloride	4.31	41	75333	19.809	ug/l	98
15) Acrylonitrile	4.99	53	131845	109.262	ug/l	99
16) Acetone	3.82	43	121957	89.519	ug/l	96
17) Carbon Disulfide	4.04	76	102550	17.784	ug/l	99
18) Methyl Acetate	4.33	43	64044	23.627	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	153517	19.998	ug/l	98
20) Methylene Chloride	4.54	84	57739	20.571	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	50700	19.648	ug/l	98
22) Diisopropyl ether	5.95	45	160781	20.452	ug/l	98
23) Vinyl Acetate	5.90	43	624091	100.811	ug/l	99
24) 1,1-Dichloroethane	5.84	63	93578	20.636	ug/l	99
25) 2-Butanone	6.84	43	179900	104.514	ug/l	100
26) 2,2-Dichloropropane	6.82	77	61015	17.243	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	60829	20.054	ug/l	96
28) Bromochloromethane	7.19	49	46386	21.631	ug/l	100
29) Tetrahydrofuran	7.22	42	115412	108.469	ug/l	99
30) Chloroform	7.37	83	95677	20.974	ug/l	98
31) Cyclohexane	7.65	56	85547	18.926	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	78321	20.560	ug/l	99
36) 1,1-Dichloropropene	7.79	75	67506	18.571	ug/l	98
37) Ethyl Acetate	6.93	43	69713	21.554	ug/l	99
38) Carbon Tetrachloride	7.77	117	65190	19.452	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	80333	17.740	ug/l	99
40) Benzene	8.04	78	218906	19.828	ug/l	98
41) Methacrylonitrile	7.17	41	31716	21.313	ug/l	94
42) 1,2-Dichloroethane	8.12	62	70338	19.806	ug/l	99
43) Isopropyl Acetate	8.17	43	104255	19.892	ug/l #	92
44) Trichloroethene	8.83	130	64126	20.213	ug/l	99
45) 1,2-Dichloropropane	9.12	63	58138	20.558	ug/l	98
46) Dibromomethane	9.21	93	38191	20.652	ug/l	98
47) Bromodichloromethane	9.40	83	69513	20.740	ug/l	98
48) Methyl methacrylate	9.20	41	53084	20.703	ug/l	97
49) 1,4-Dioxane	9.20	88	22035	398.061	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	341478	104.188	ug/l	100
52) Toluene	10.16	92	138823	20.207	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	65480	18.262	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	79546	19.745	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	56169	20.640	ug/l	98
56) Ethyl methacrylate	10.43	69	78617	19.802	ug/l	99
57) 1,3-Dichloropropane	10.71	76	89052	20.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	129586	92.300	ug/l	100
59) 2-Hexanone	10.75	43	236724	99.653	ug/l	99
60) Dibromochloromethane	10.90	129	55128	19.919	ug/l	99
61) 1,2-Dibromoethane	11.00	107	57085	20.519	ug/l	98
64) Tetrachloroethene	10.63	164	64477	20.016	ug/l	96
65) Chlorobenzene	11.43	112	146337	19.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	54034	21.130	ug/l	99
67) Ethyl Benzene	11.51	91	248568	19.301	ug/l	99
68) m/p-Xylenes	11.62	106	189360	38.491	ug/l	99
69) o-Xylene	11.95	106	93845	19.393	ug/l	100
70) Styrene	11.96	104	149930	19.500	ug/l	99
71) Bromoform	12.13	173	38430	19.660	ug/l #	99
73) Isopropylbenzene	12.25	105	246586	22.143	ug/l	100
74) N-amyl acetate	12.07	43	80368	20.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	75014	21.943	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	61440m	22.674	ug/l	
77) Bromobenzene	12.53	156	65414	20.748	ug/l	96
78) n-propylbenzene	12.59	91	249680	20.041	ug/l	99
79) 2-Chlorotoluene	12.67	91	158433	21.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	200264	20.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14924	18.342	ug/l #	80
82) 4-Chlorotoluene	12.77	91	144824	19.870	ug/l	99
83) tert-Butylbenzene	12.99	119	182532	22.246	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	190424	20.281	ug/l	98
85) sec-Butylbenzene	13.17	105	224419	20.341	ug/l	100
86) p-Isopropyltoluene	13.29	119	196400	19.890	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	96604	19.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90643	19.310	ug/l	99
89) n-Butylbenzene	13.61	91	131621	17.994	ug/l	99
90) Hexachloroethane	13.87	117	32465	21.802	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	100289	20.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11064	22.627	ug/l	98

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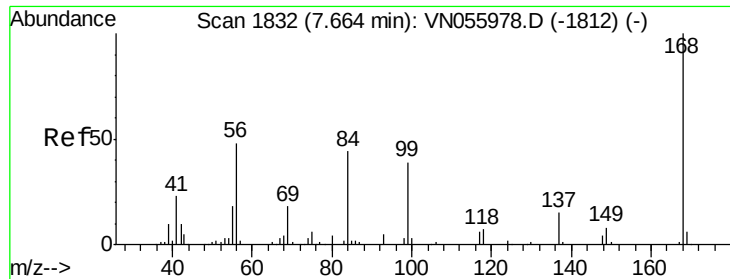
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37043	16.749	ug/l	97
94) Hexachlorobutadiene	15.01	225	37851	21.200	ug/l	98
95) Naphthalene	15.13	128	100016	16.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44493	18.137	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

Tot Ion:168 Resp: 286885

Ion Ratio Lower Upper

168 100

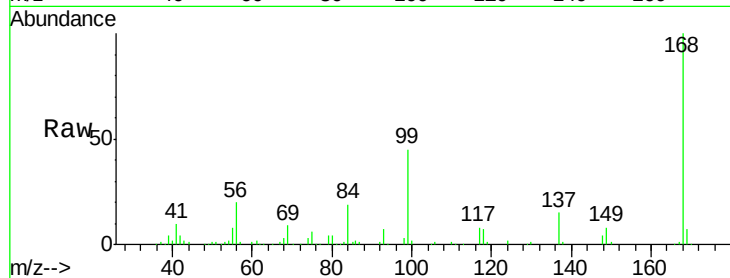
99 44.6 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

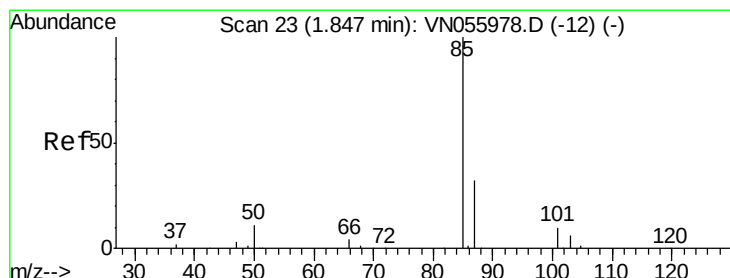
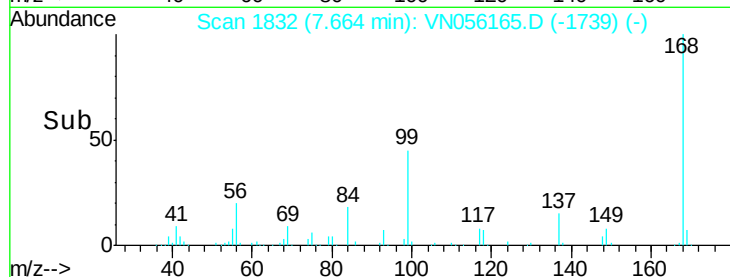
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.213 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056165.D

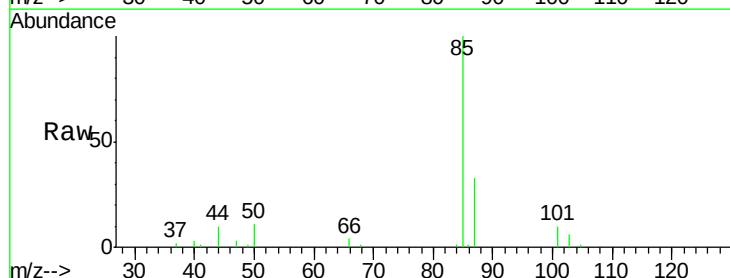
Acq: 10 Jun 2019 13:17

Tgt Ion: 85 Resp: 59862

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

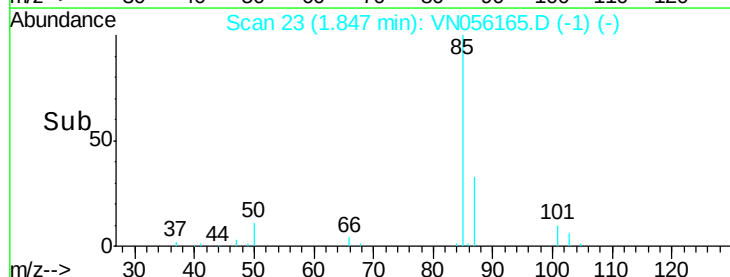
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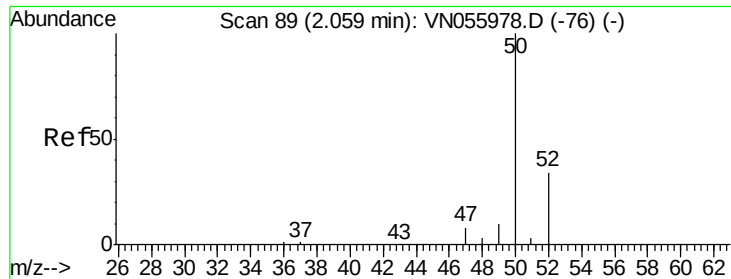
20000

10000

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Time-->





#3

Chloromethane

Concen: 20.338 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

Tot Ion: 50 Resp: 63247

Ion Ratio Lower Upper

50 100

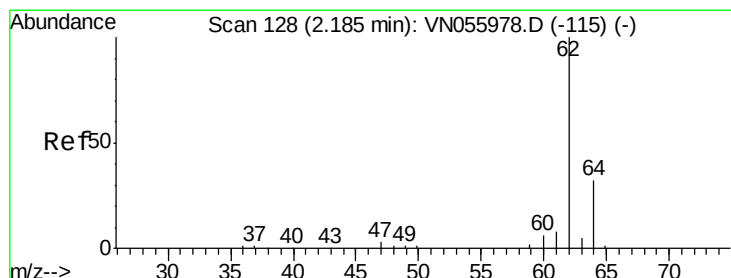
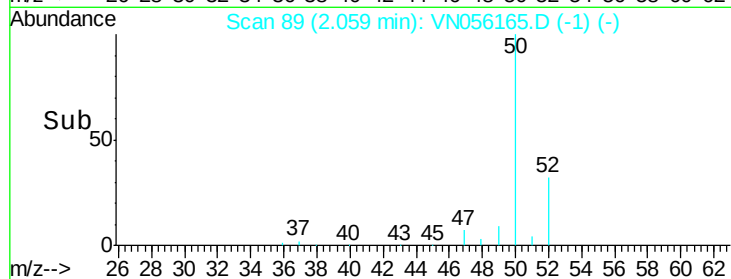
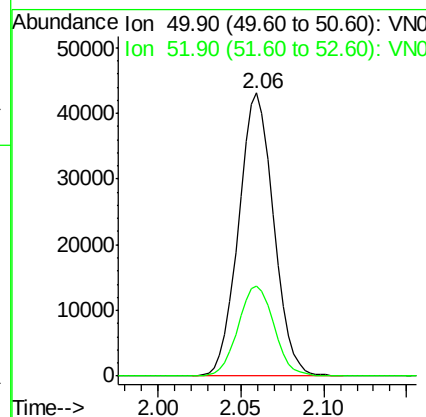
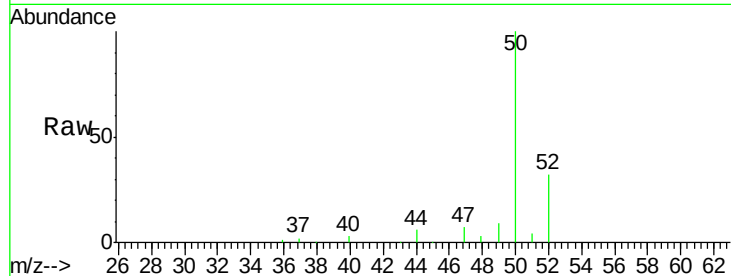
52 32.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.279 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056165.D

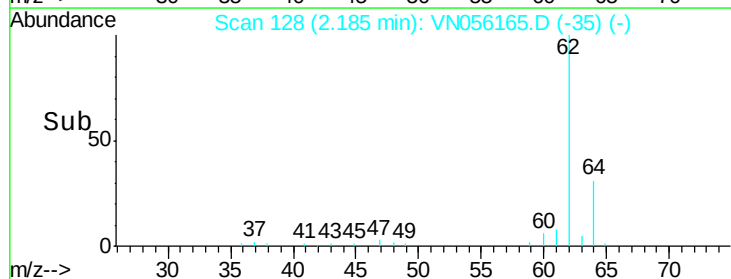
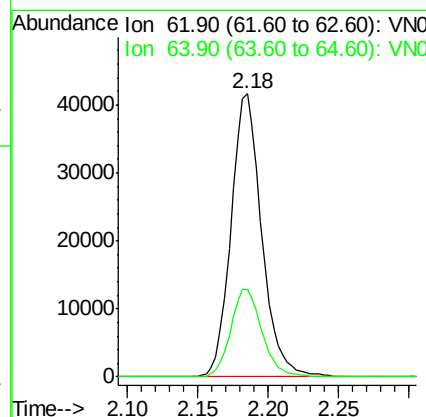
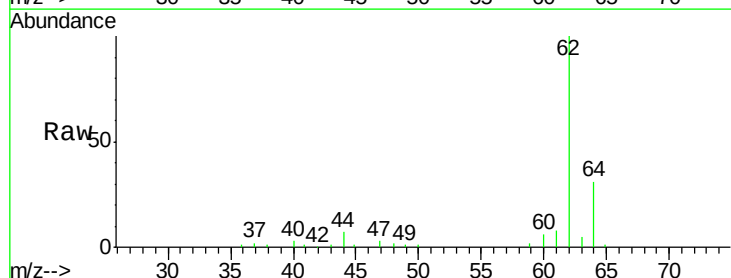
Acq: 10 Jun 2019 13:17

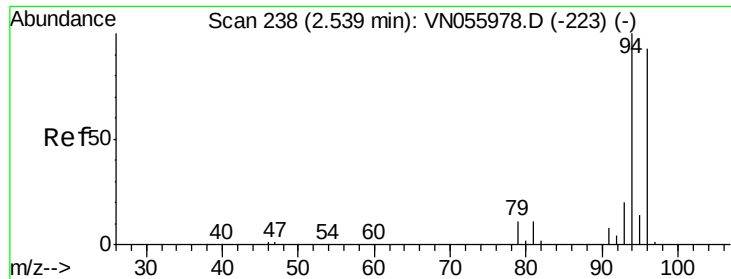
Tgt Ion: 62 Resp: 63261

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4





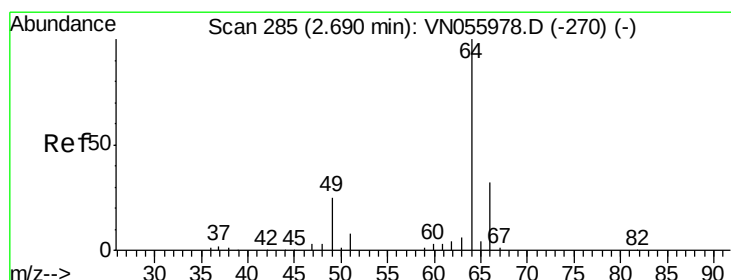
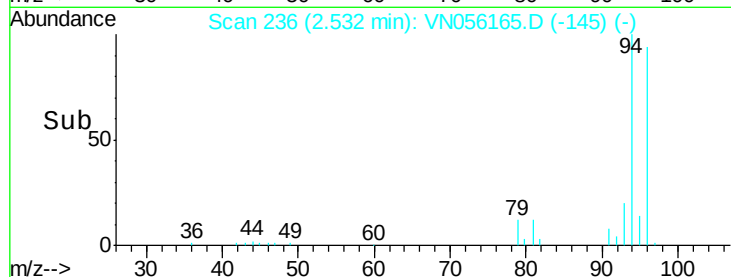
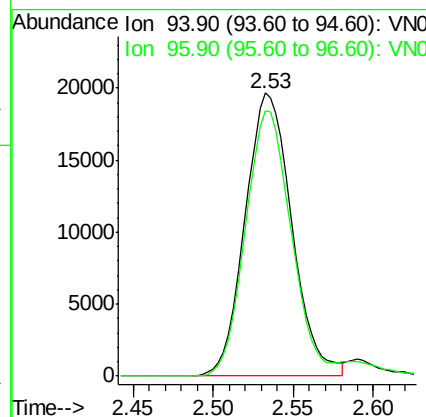
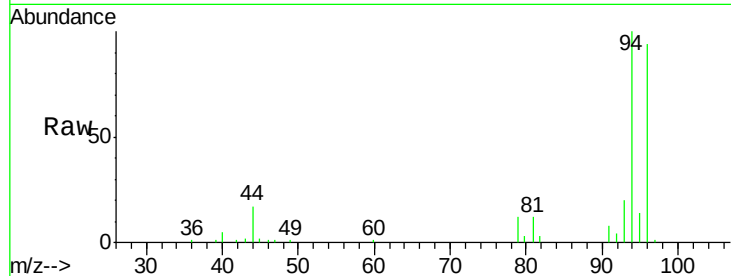
#5
Bromomethane
Concen: 20.016 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion: 94 Resp: 39442
Ion Ratio Lower Upper
94 100
96 93.9 75.5 113.3

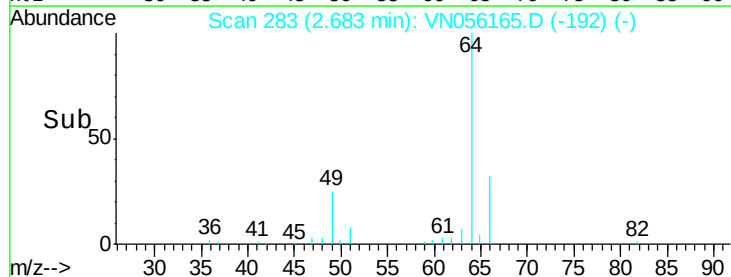
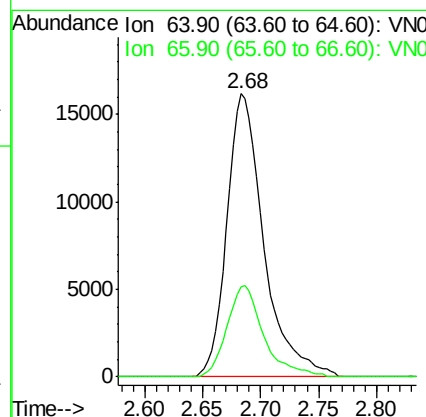
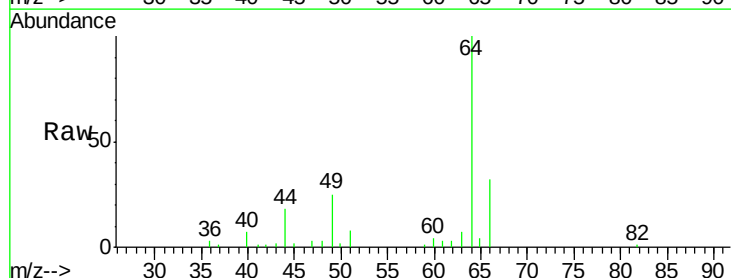
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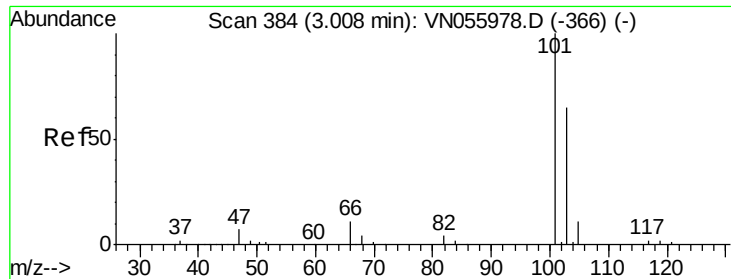
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#6
Chloroethane
Concen: 19.715 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 64 Resp: 35657
Ion Ratio Lower Upper
64 100
66 31.9 25.4 38.0





#7

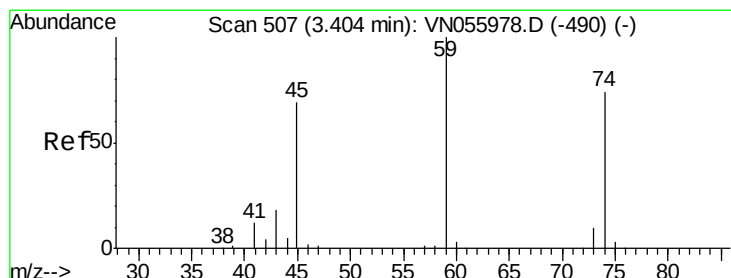
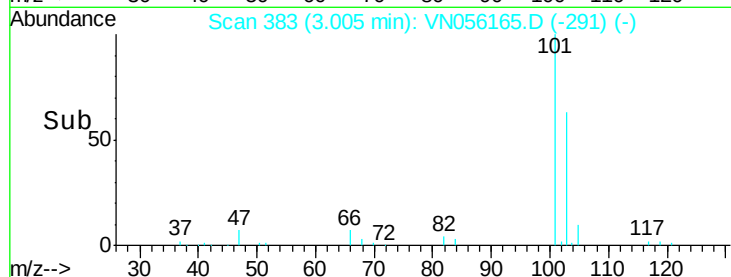
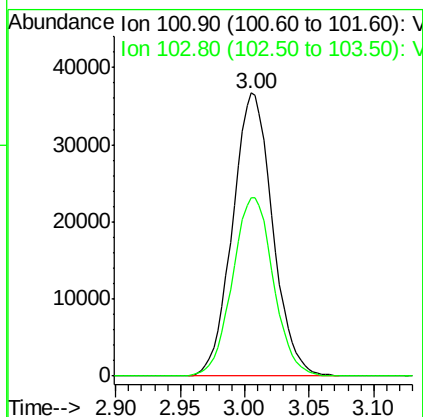
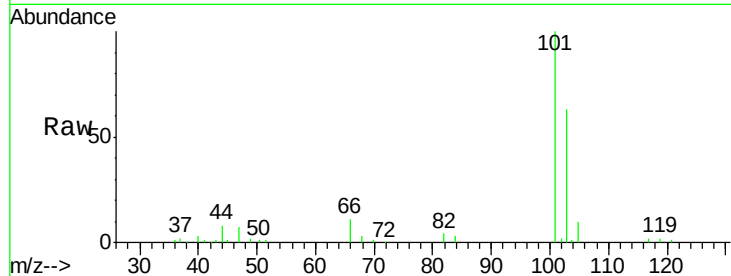
Trichlorofluoromethane
 Concen: 19.893 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
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 ClientSampleId :
 VN0610WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.2	76.8

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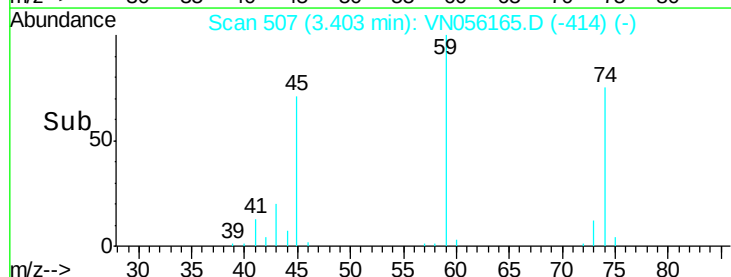
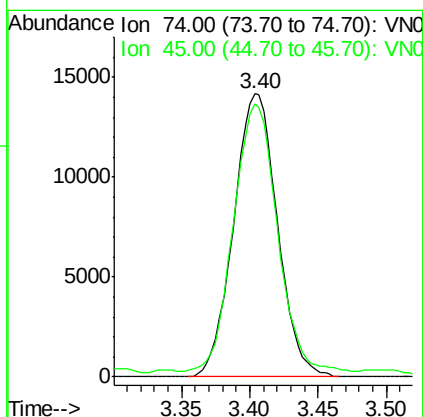
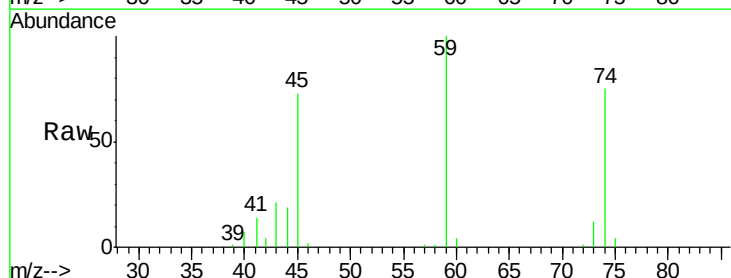
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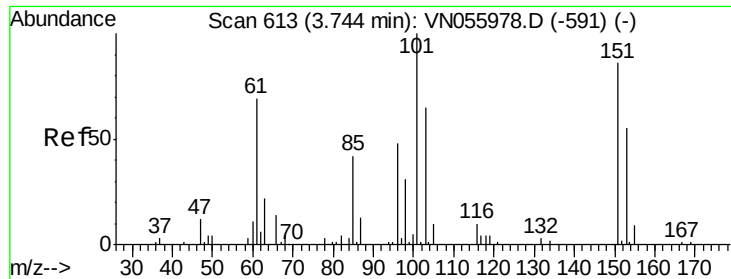


#8

Diethyl Ether
 Concen: 19.293 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.520 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

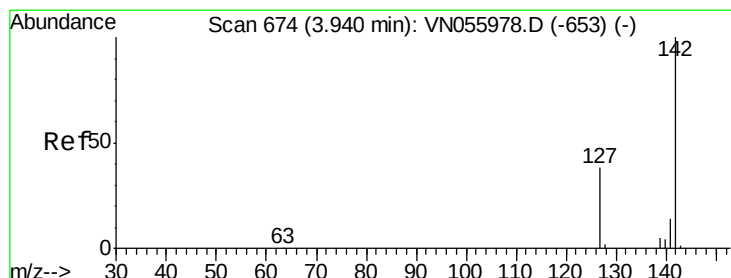
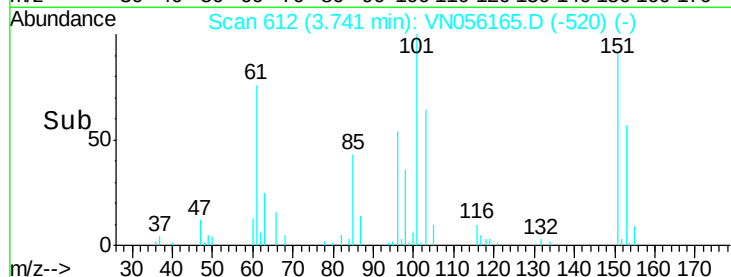
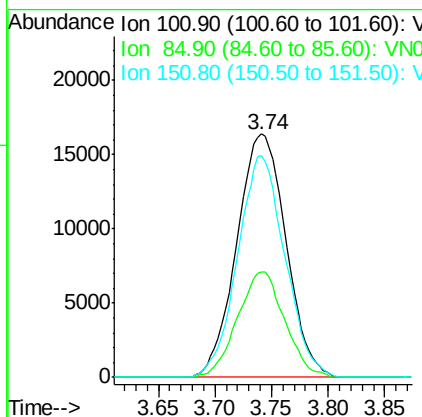
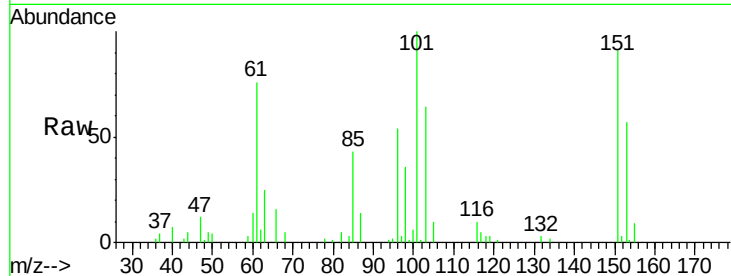
ClientSampled :

VN0610WBS01

Tot Ion:	101	Resp:	49640
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.2
151	87.6	69.4	104.2

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#10

Methyl Iodide

Concen: 17.980 ug/l

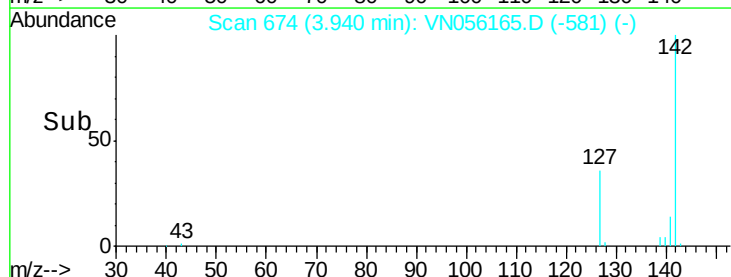
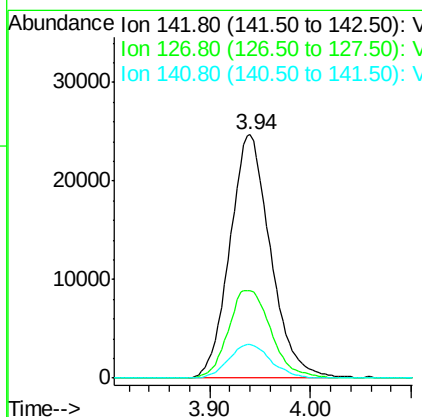
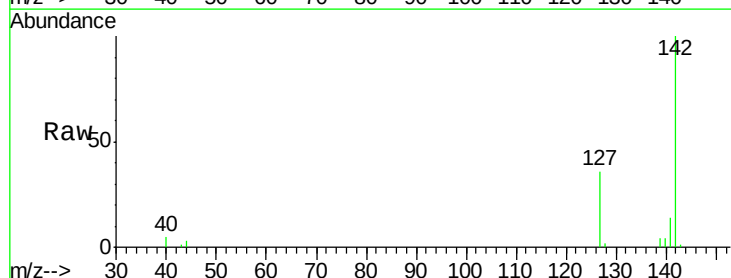
RT: 3.94 min Scan# 674

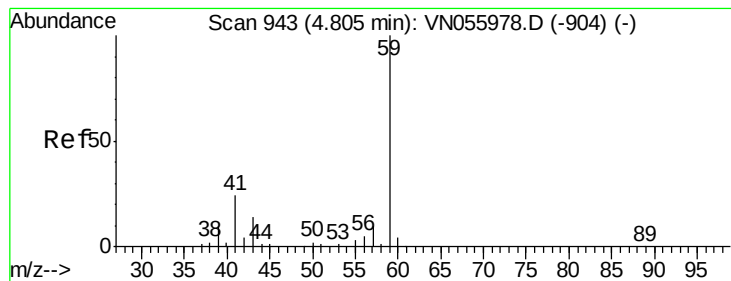
Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion:	142	Resp:	69121
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	14.3	11.4	17.0





#11

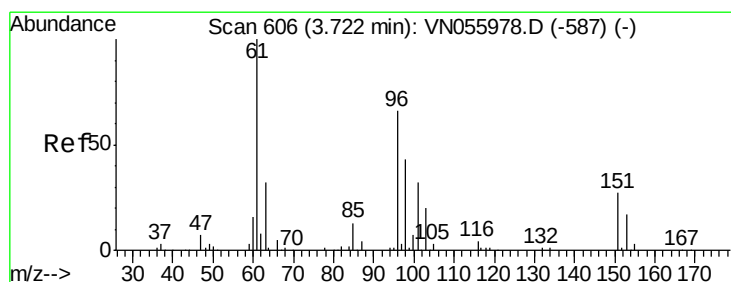
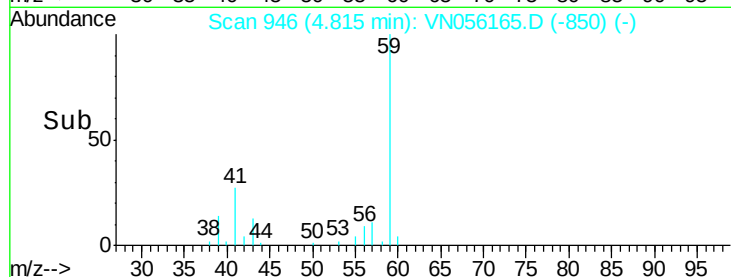
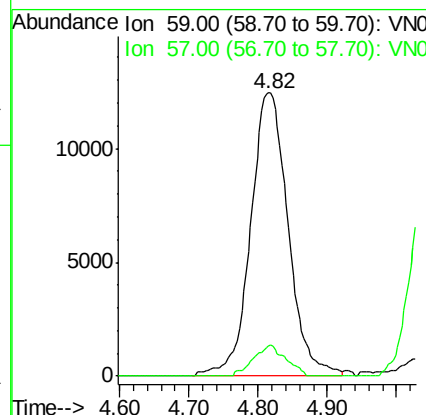
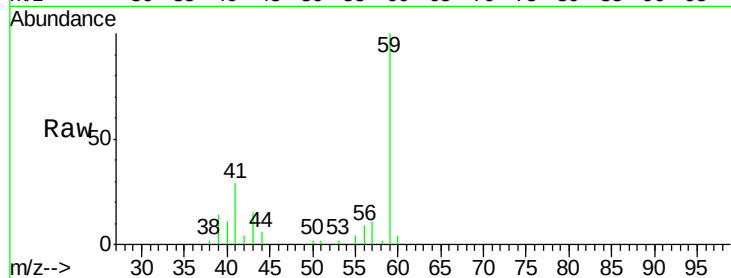
Tert butyl alcohol
 Concen: 94.463 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.6

Manual Integrations
 APPROVED

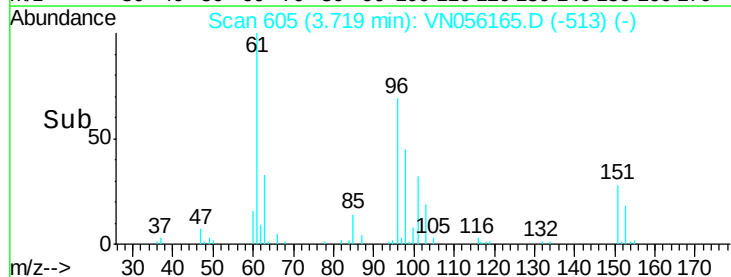
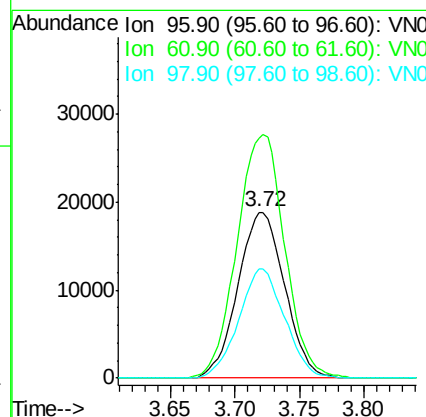
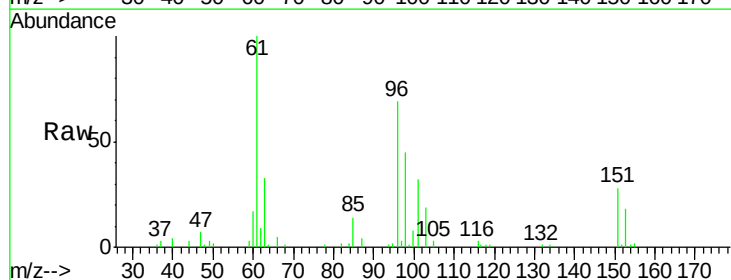
MMDadoda
 6/11/2019 12:08:18 PM

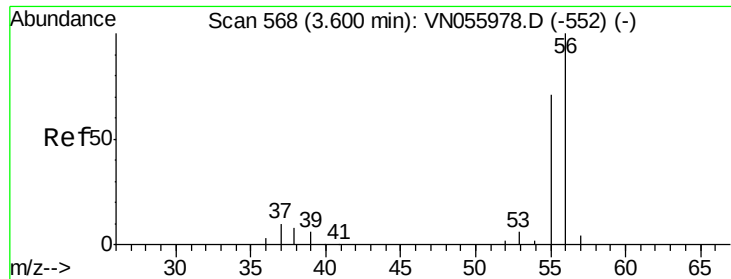


#12

1,1-Dichloroethene
 Concen: 19.711 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.8	123.2	184.8
98	65.5	50.4	75.6





#13

Acrolein

Concen: 79.824 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS01

Tot Ion: 56 Resp: 11412

Ion Ratio Lower Upper

56 100

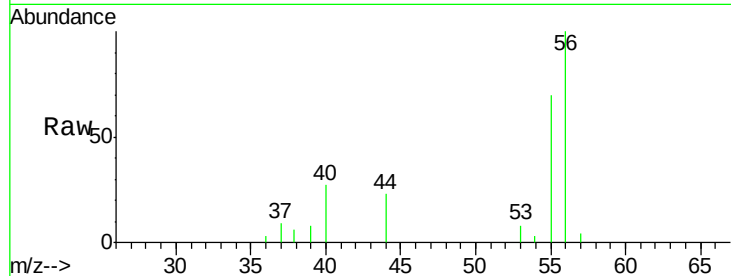
55 72.0 55.4 83.2

Manual Integrations

APPROVED

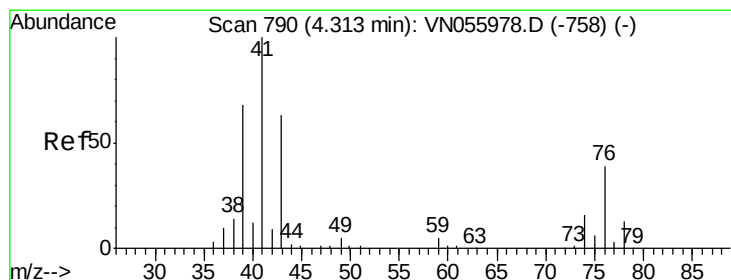
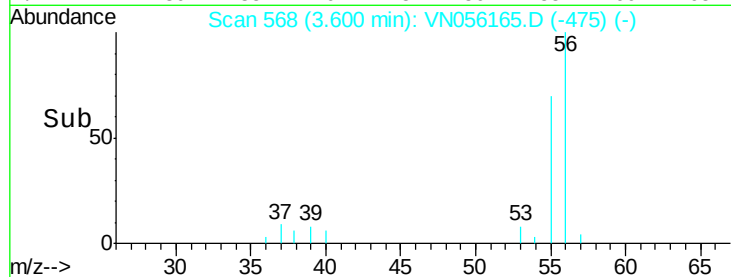
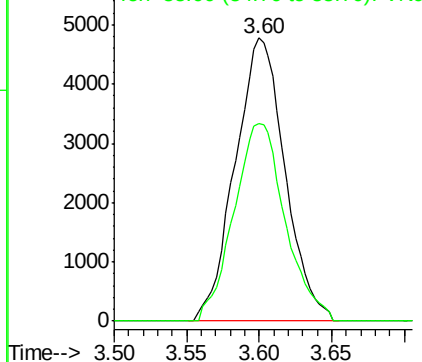
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.809 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

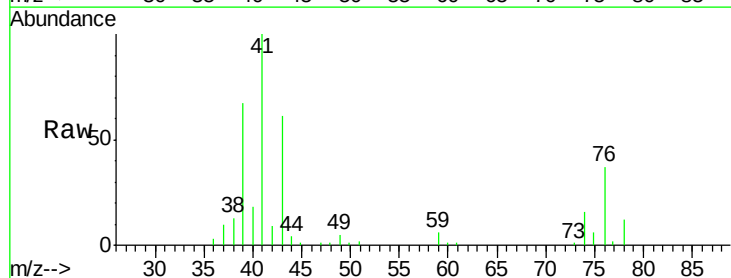
Tgt Ion: 41 Resp: 75333

Ion Ratio Lower Upper

41 100

39 61.3 50.0 75.0

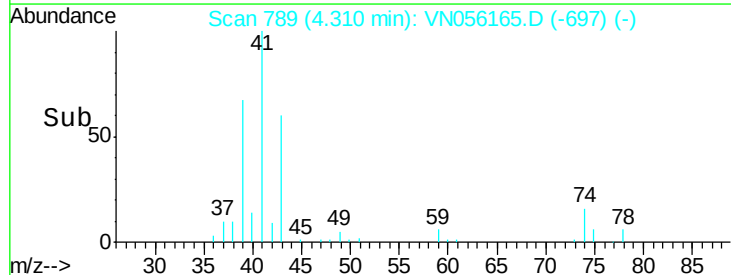
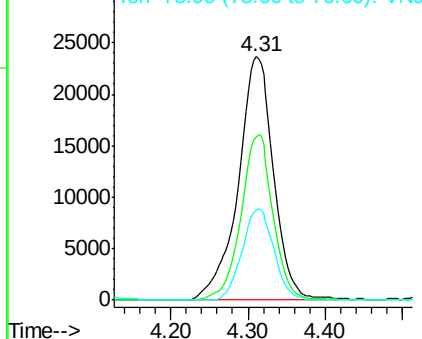
76 33.6 28.2 42.2

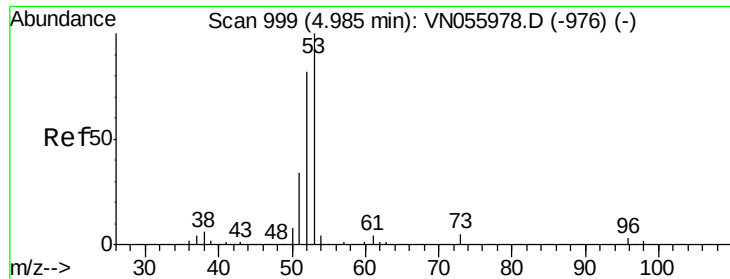


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.262 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

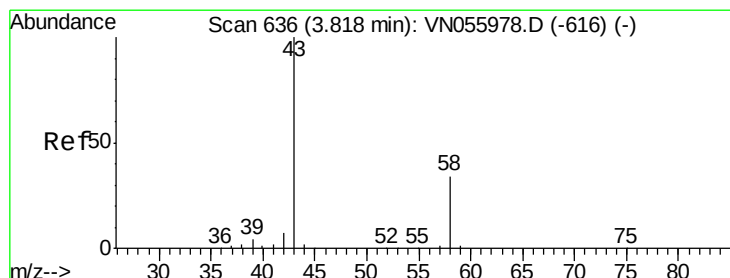
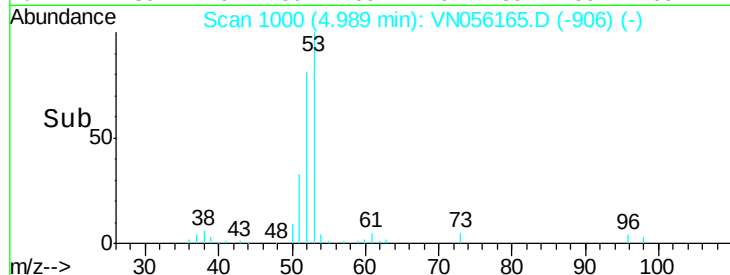
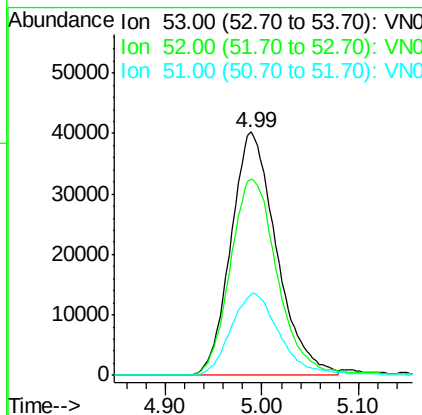
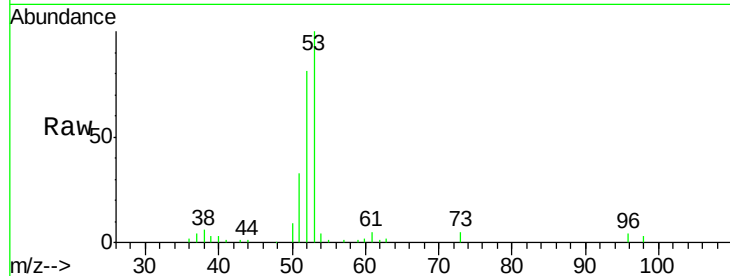
ClientSampleId :

VN0610WBS01

Tot Ion:	53	Resp:	131845
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.8	98.8
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 89.519 ug/l

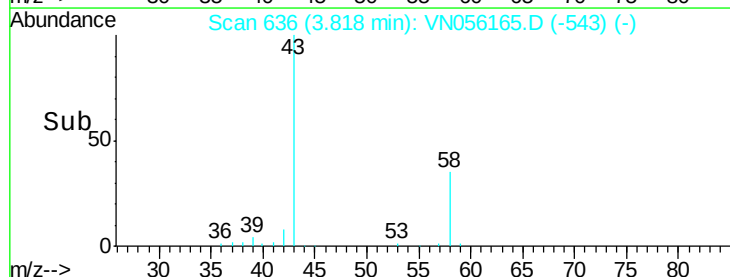
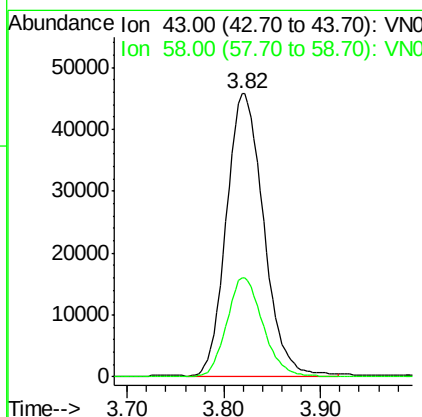
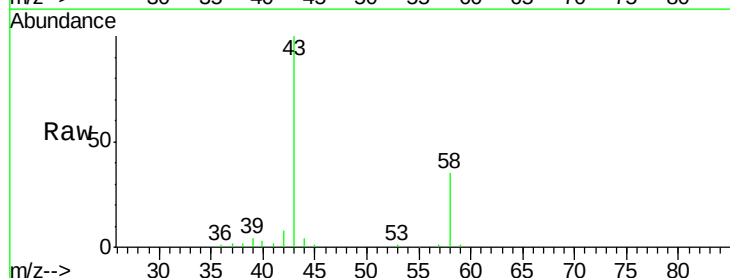
RT: 3.82 min Scan# 636

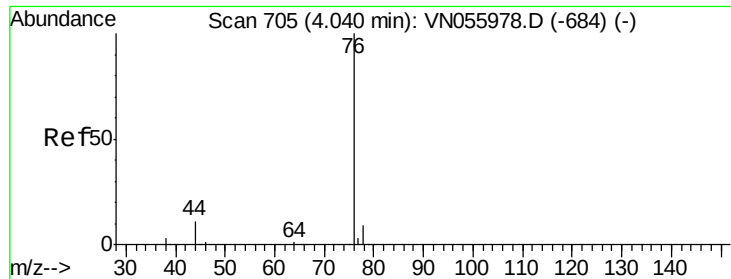
Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion:	43	Resp:	121957
Ion	Ratio	Lower	Upper
43	100		
58	35.2	26.6	39.8





#17

Carbon Disulfide

Concen: 17.784 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

Tot Ion: 76 Resp: 102550

Ion Ratio Lower Upper

76 100

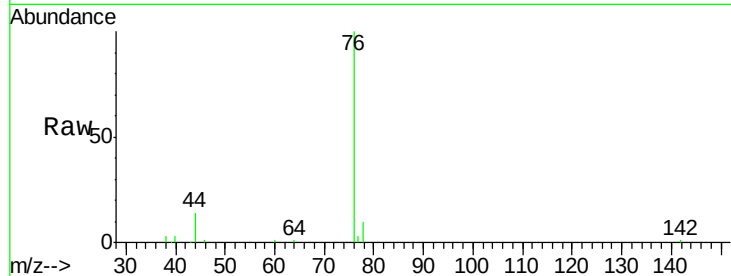
78 9.7 7.4 11.2

Manual Integrations

APPROVED

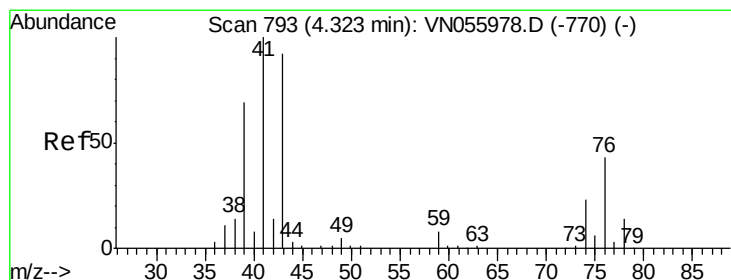
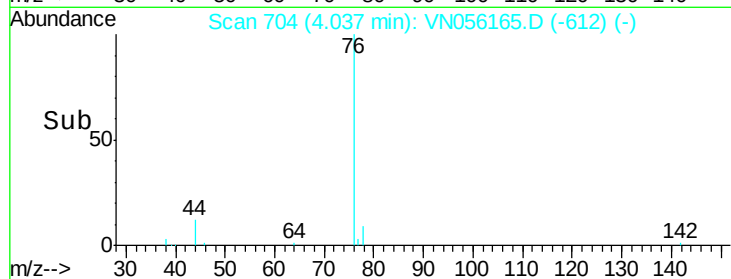
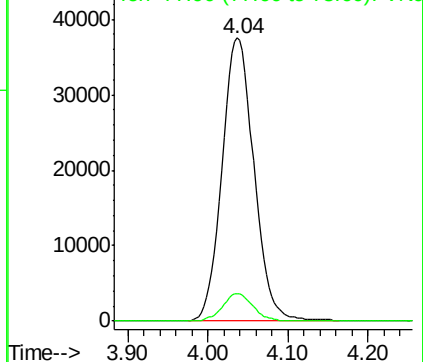
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.627 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056165.D

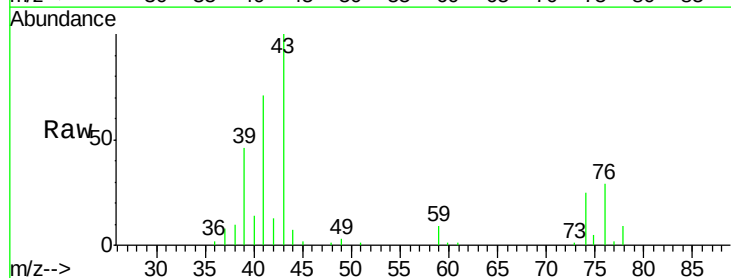
Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 64044

Ion Ratio Lower Upper

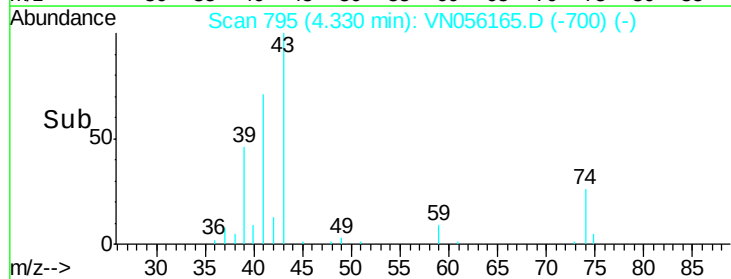
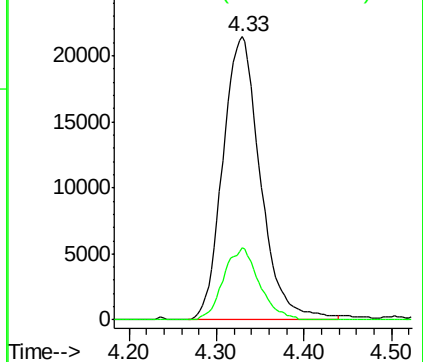
43 100

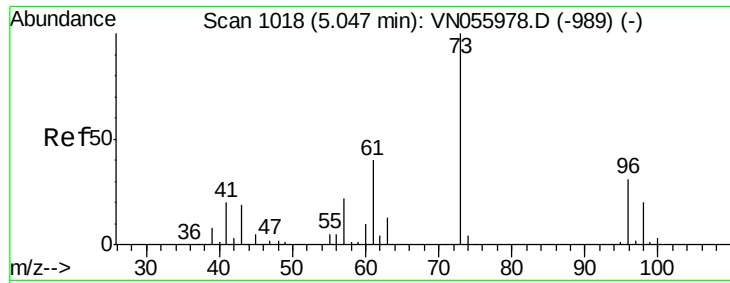
74 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





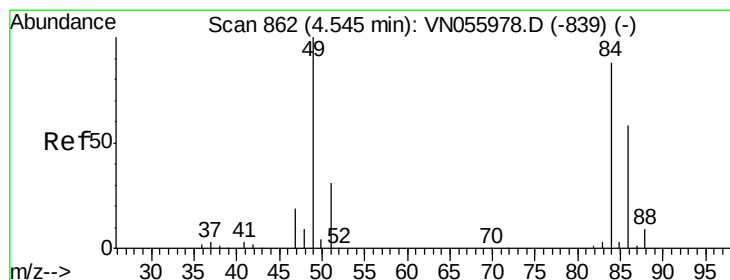
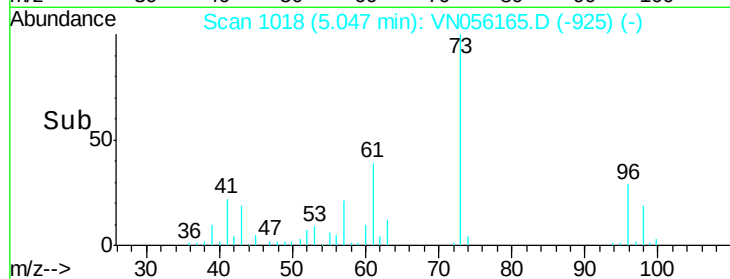
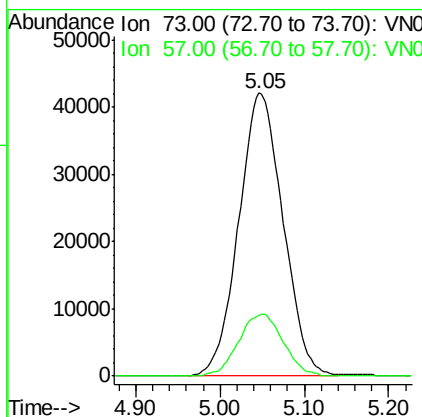
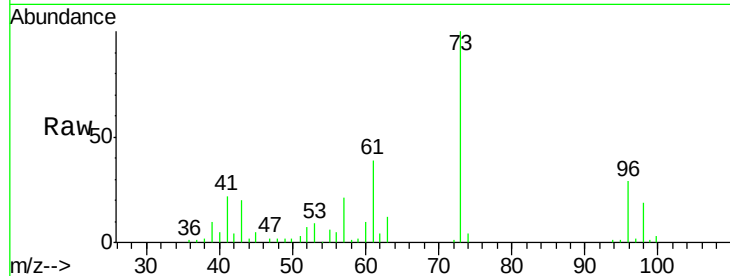
#19
Methvl tert-butvl Ether
Concen: 19.998 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.8	26.8

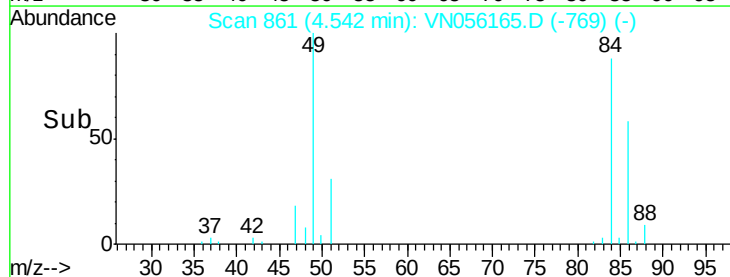
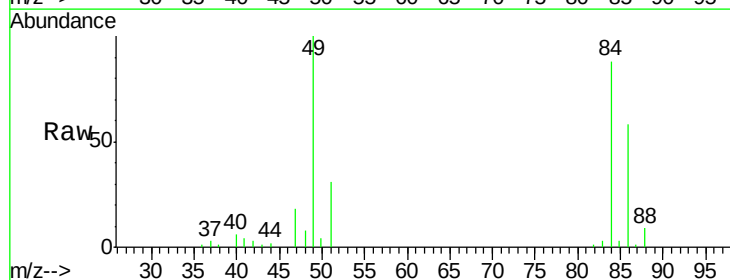
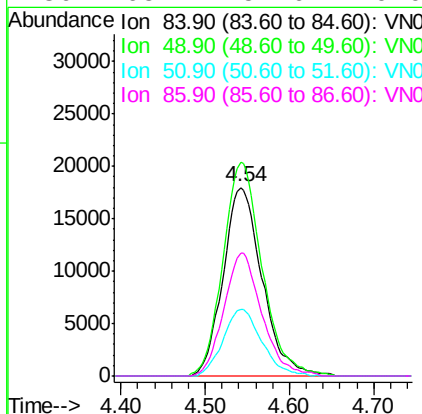
Manual Integrations
APPROVED

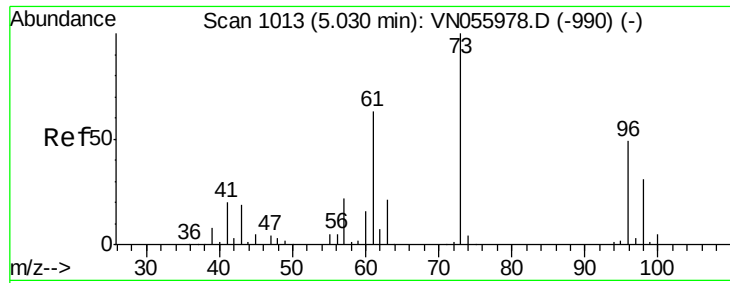
MMDadoda
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#20
Methylene Chloride
Concen: 20.571 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	93.5	140.3
51	35.2	28.6	43.0
86	65.2	52.6	79.0





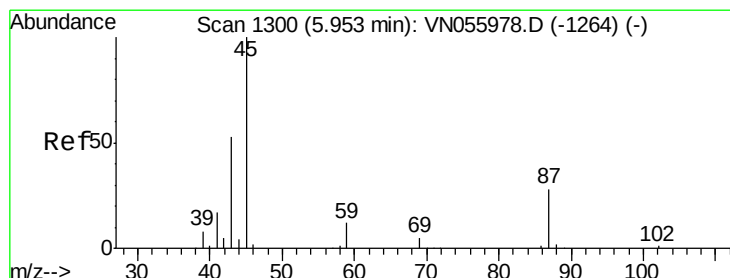
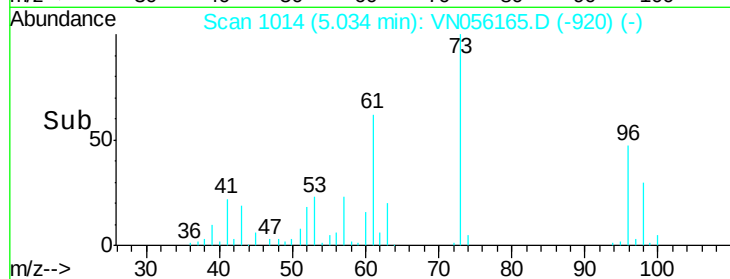
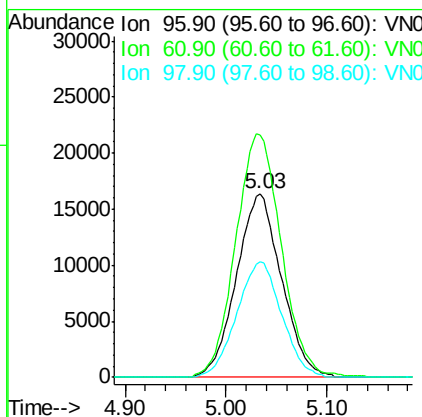
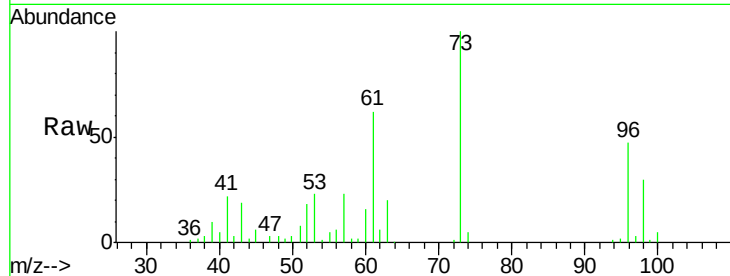
#21
trans-1,2-Dichloroethene
Concen: 19.648 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	107.8	161.8
98	63.3	49.8	74.8

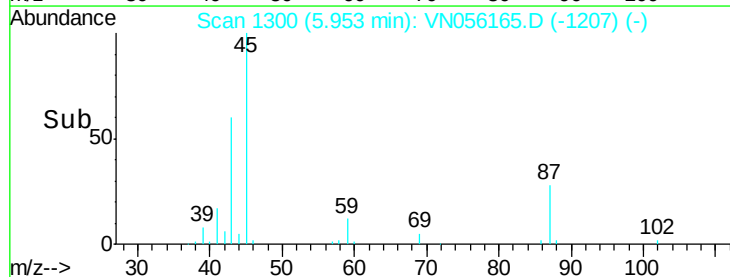
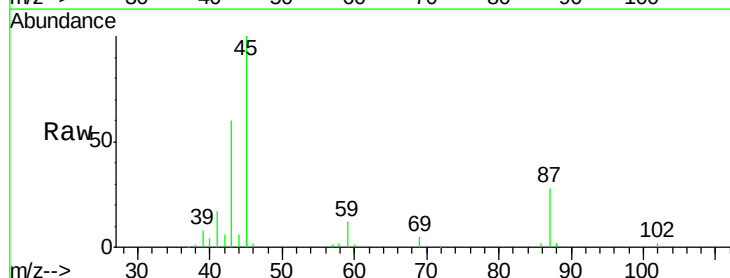
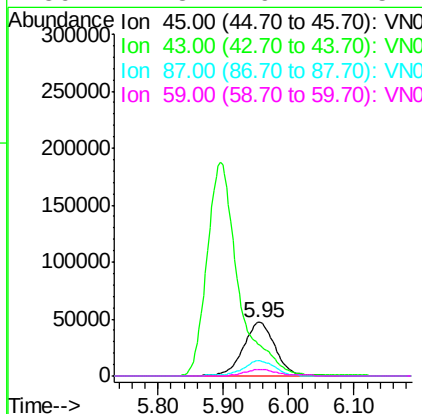
Manual Integrations
APPROVED

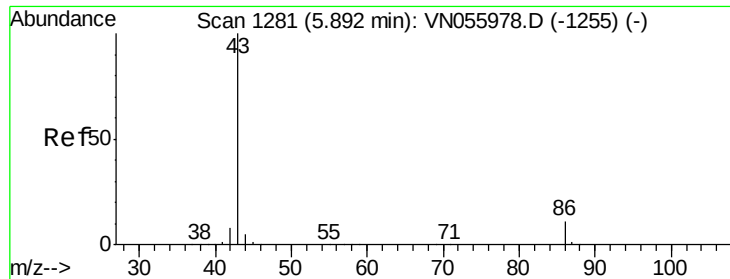
MMDadoda
6/11/2019 12:08:18 PM



#22
Diisopropyl ether
Concen: 20.452 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.0	67.6
87	27.8	22.2	33.4
59	11.8	9.1	13.7





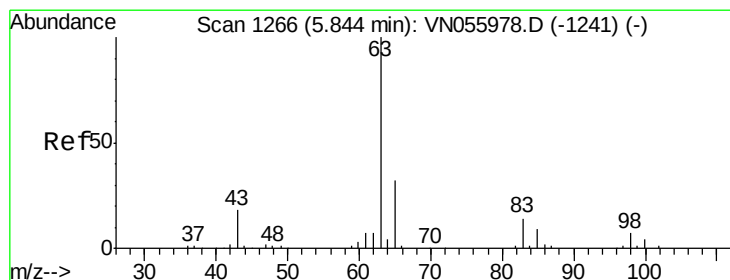
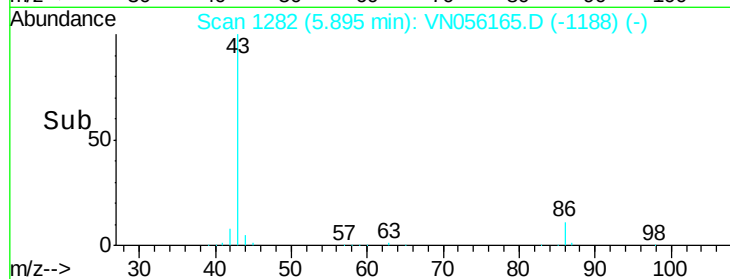
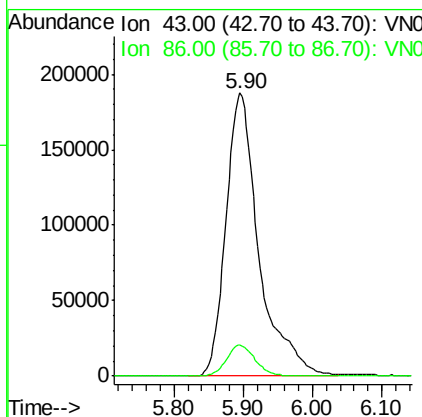
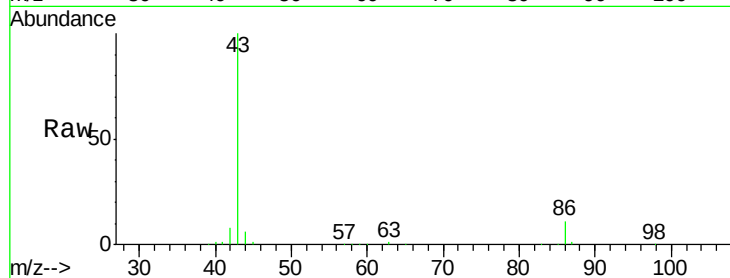
#23
 Vinyl Acetate
 Concen: 100.811 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS01

Tot Ion: 43 Resp: 624091
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 13.0

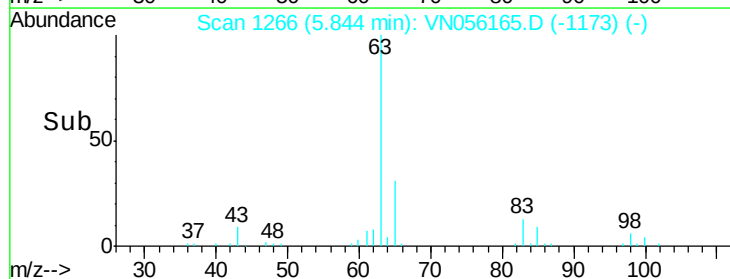
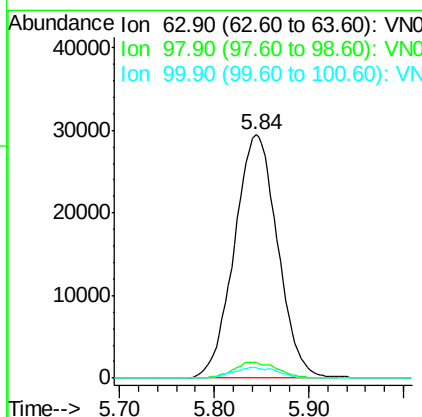
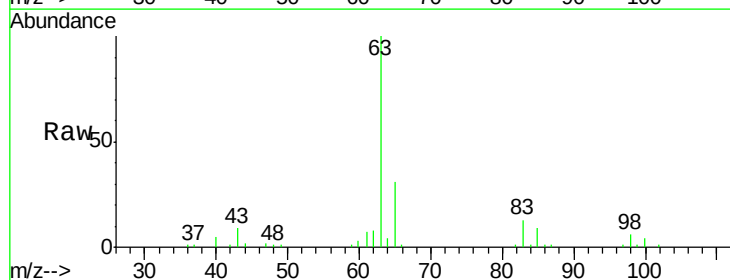
Manual Integrations
 APPROVED

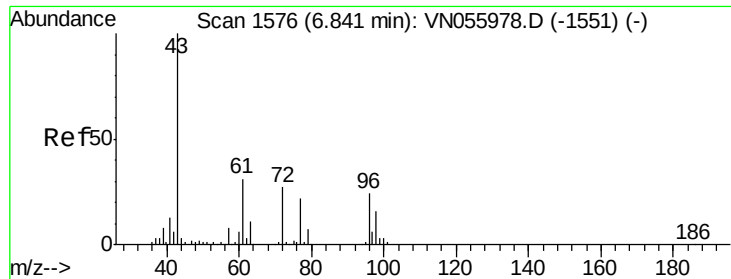
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 6/11/2019 12:08:18 PM



#24
 1,1-Dichloroethane
 Concen: 20.636 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 63 Resp: 93578
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.1
 100 4.2 2.2 6.6





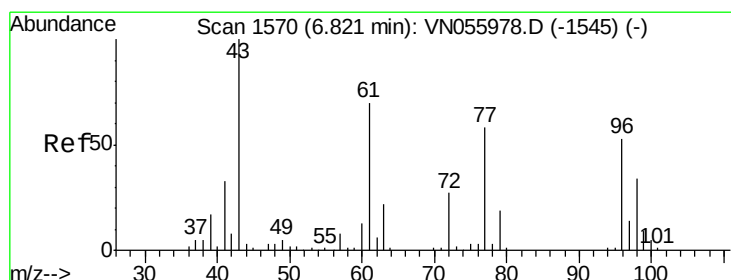
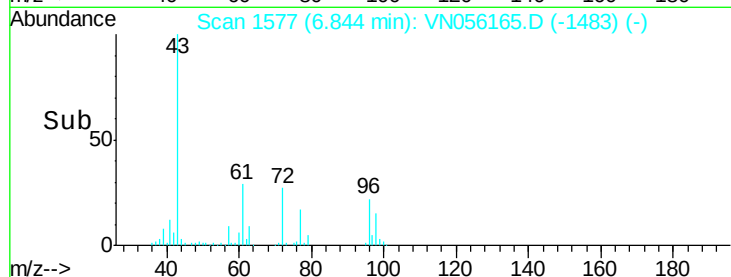
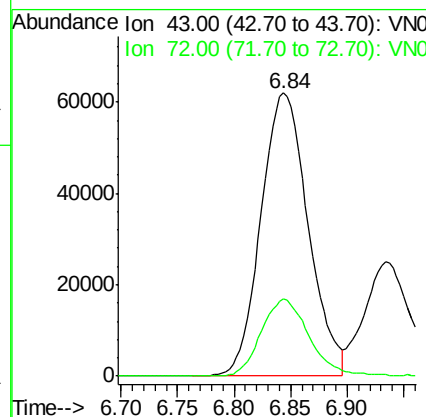
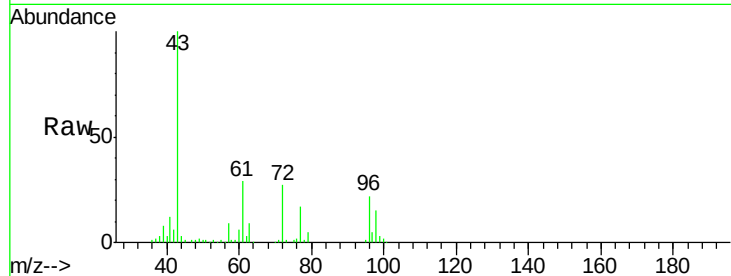
#25
2-Butanone
Concen: 104.514 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion: 43 Resp: 179900
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9

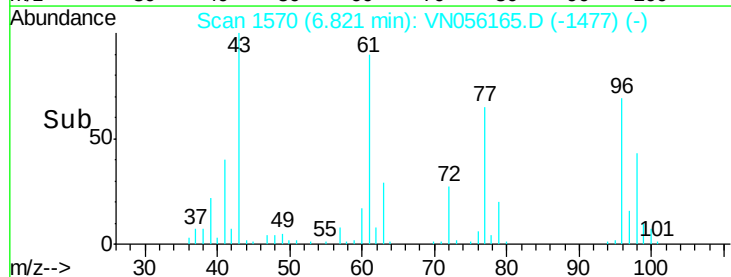
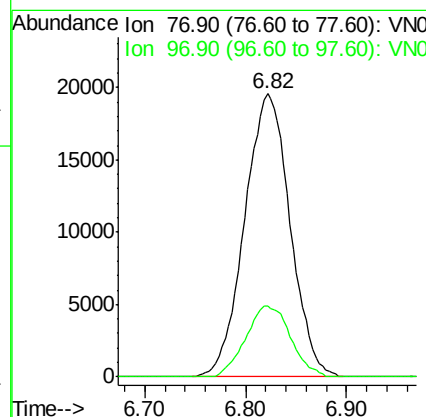
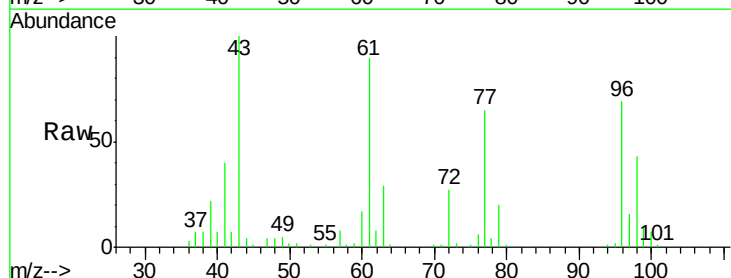
Manual Integrations
APPROVED

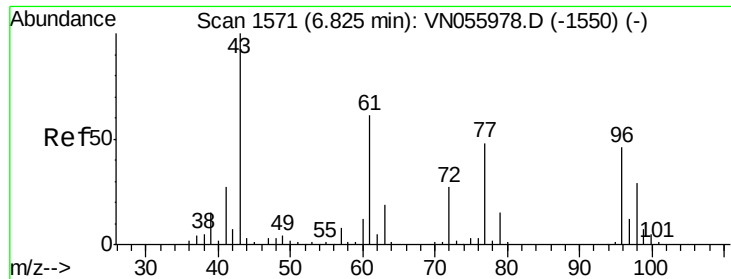
MMDadoda
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#26
2,2-Dichloropropane
Concen: 17.243 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 77 Resp: 61015
Ion Ratio Lower Upper
77 100
97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.054 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

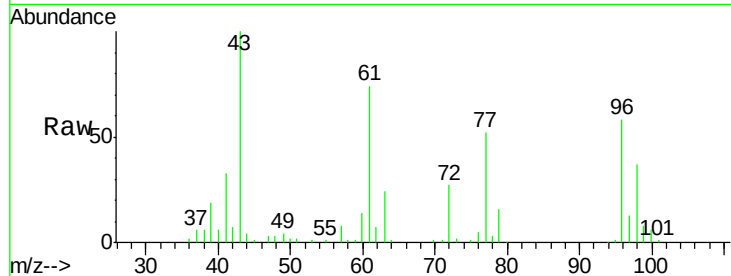
ClientSampled :

VN0610WBS01

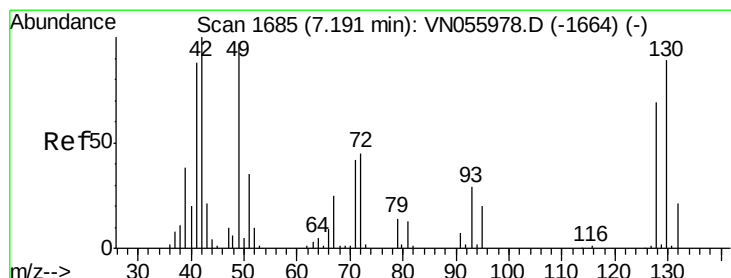
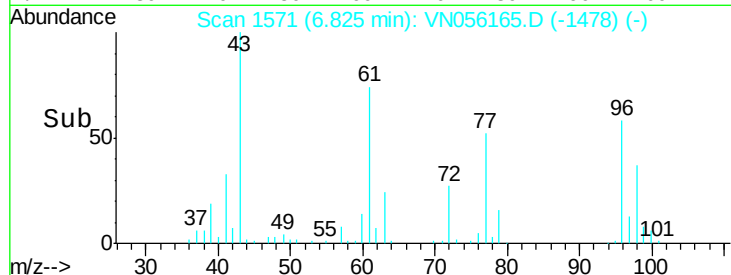
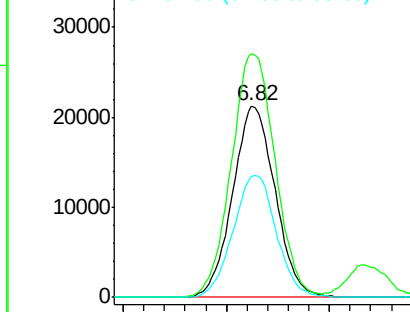
Tot Ion:	96	Resp:	60829
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	275.8
98	64.8	0.0	128.4

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.631 ug/l

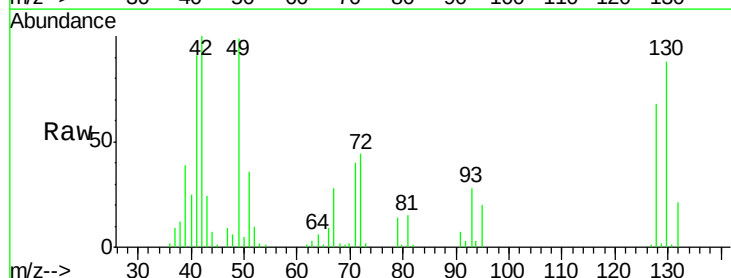
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

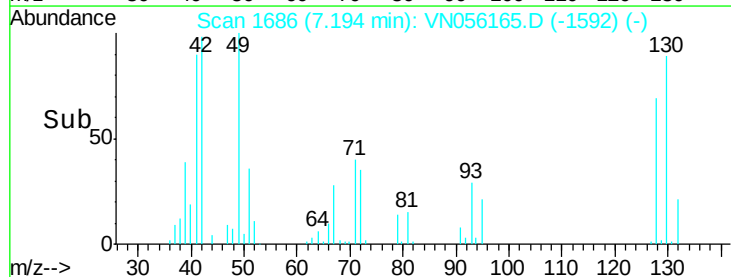
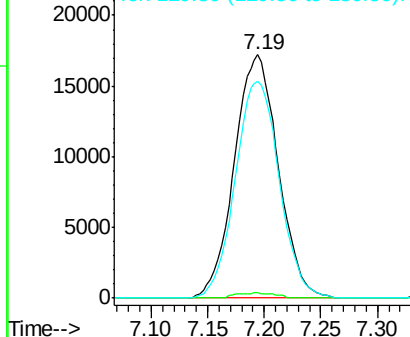
Lab File: VN056165.D

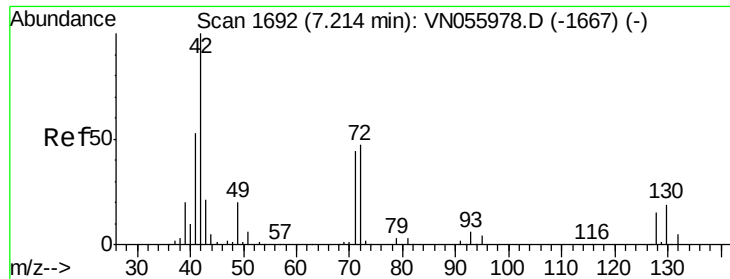
Acq: 10 Jun 2019 13:17

Tgt Ion:	49	Resp:	46386
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	89.3	71.2	106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





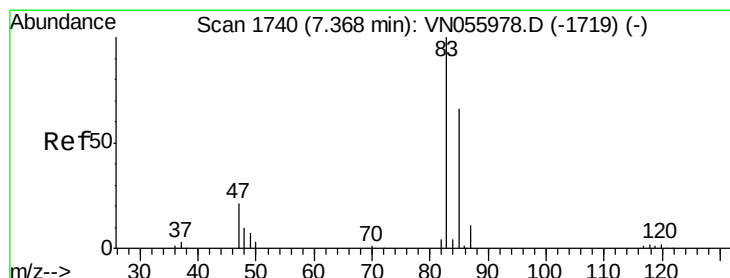
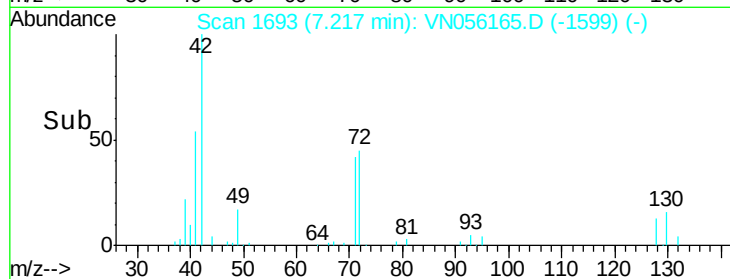
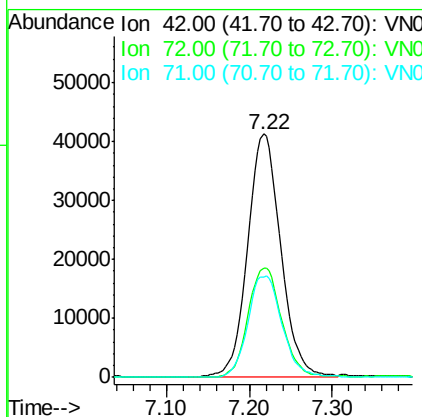
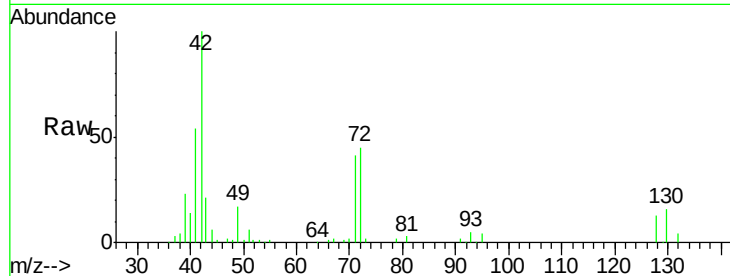
#29
Tetrahydrofuran
Concen: 108.469 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	42.7	34.0	51.0

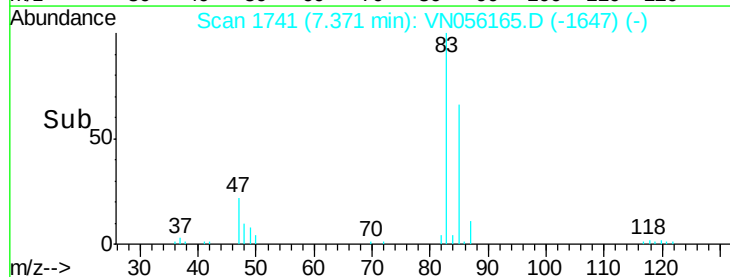
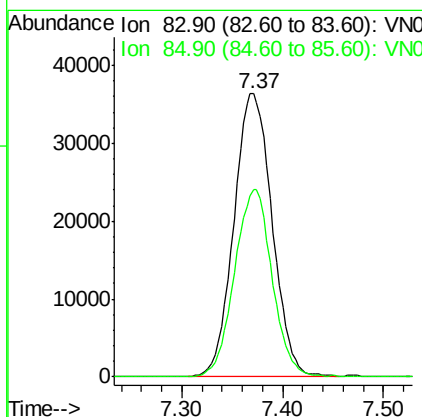
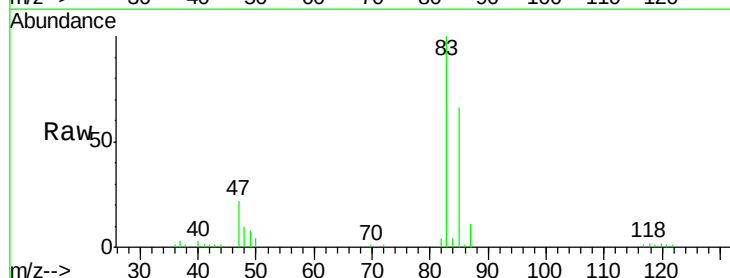
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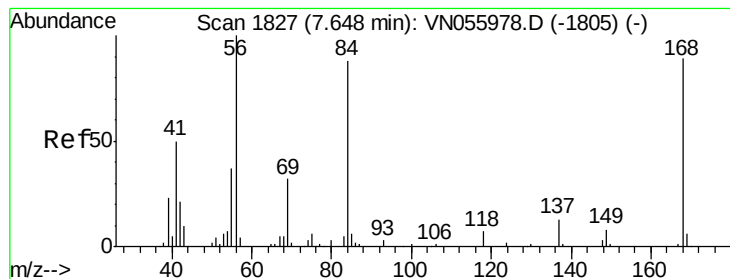
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#30
Chloroform
Concen: 20.974 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.8





#31

Cyclohexane

Concen: 18.926 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS01

Tot Ion: 56 Resp: 85547

Ion Ratio Lower Upper

56 100

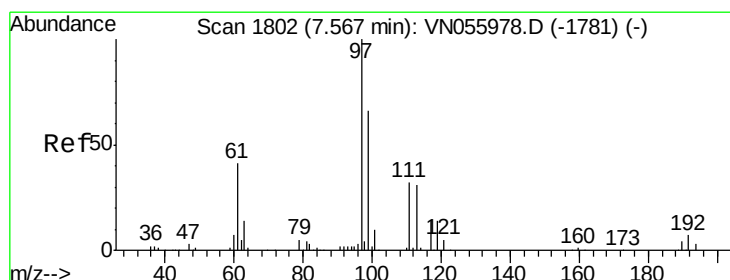
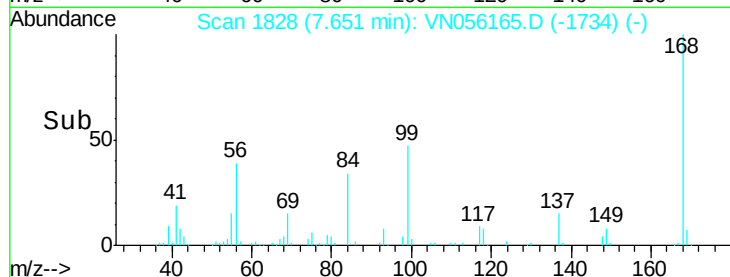
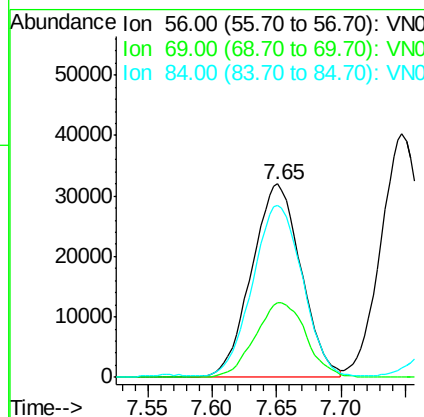
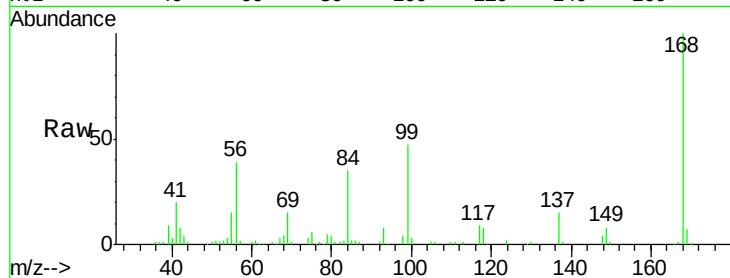
69 38.5 25.6 38.4#

84 88.0 67.4 101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.560 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

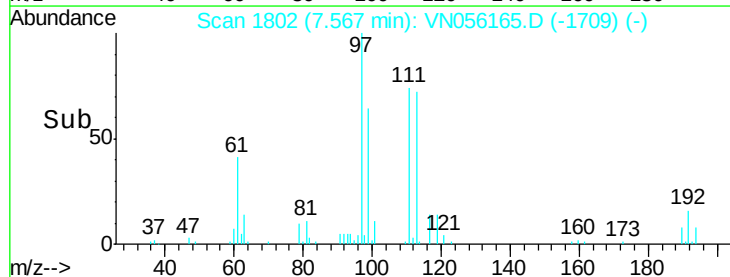
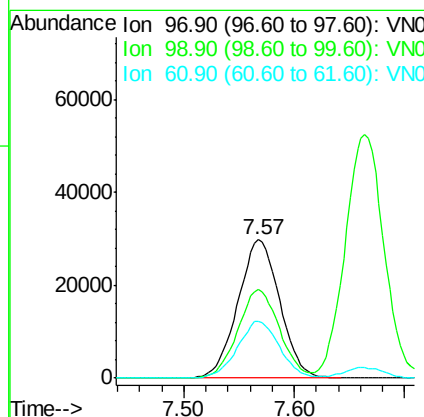
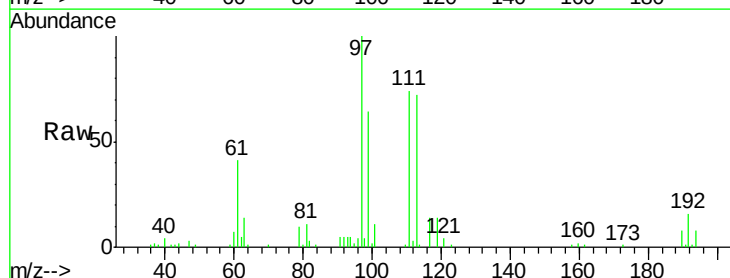
Tgt Ion: 97 Resp: 78321

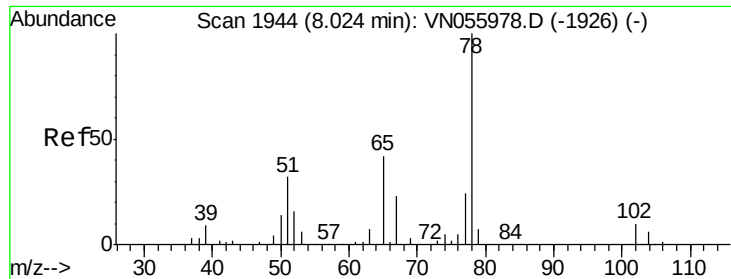
Ion Ratio Lower Upper

97 100

99 63.9 52.0 78.0

61 41.0 32.9 49.3





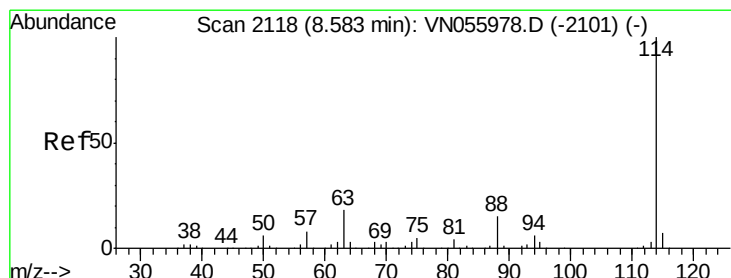
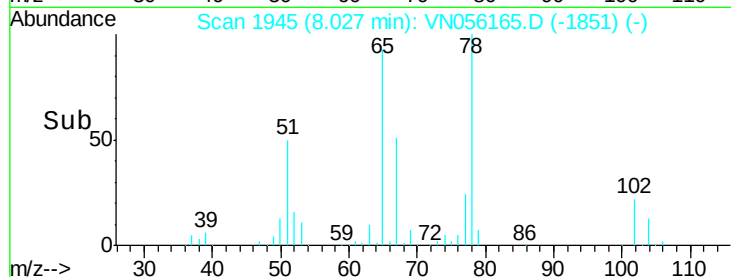
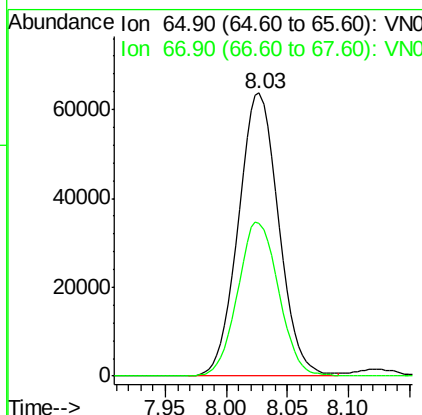
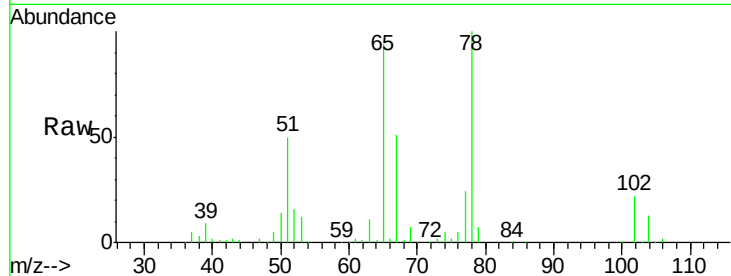
#33
 1,2-Dichloroethane-d4
 Concen: 51.198 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145839		
67	55.5	0.0	109.2	

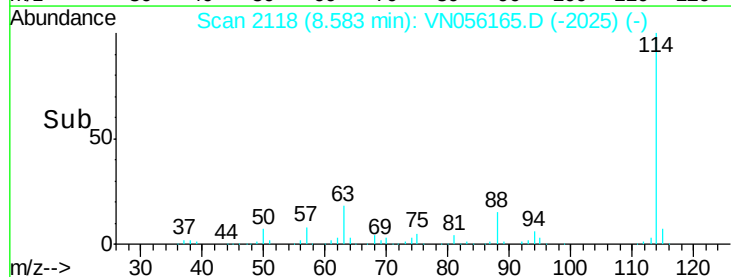
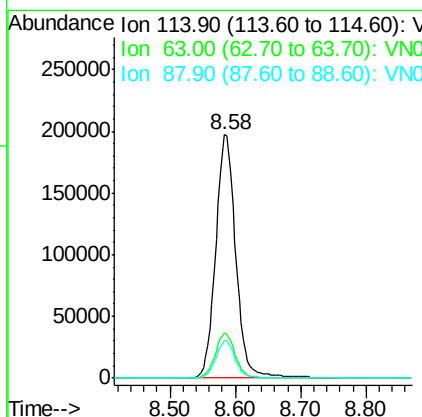
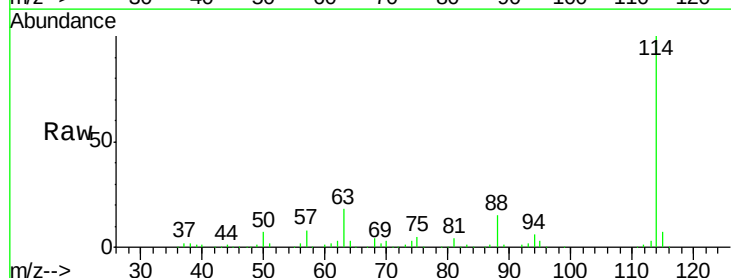
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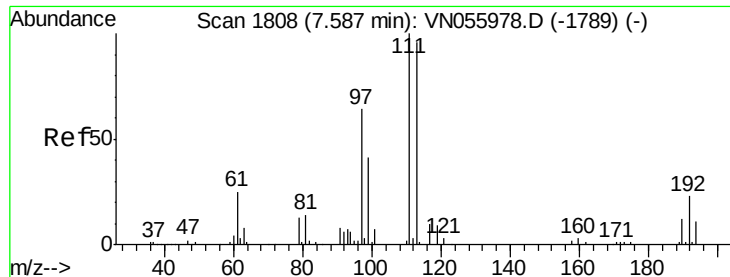
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	422749		
63	18.4	0.0	39.2	
88	15.3	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.794 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

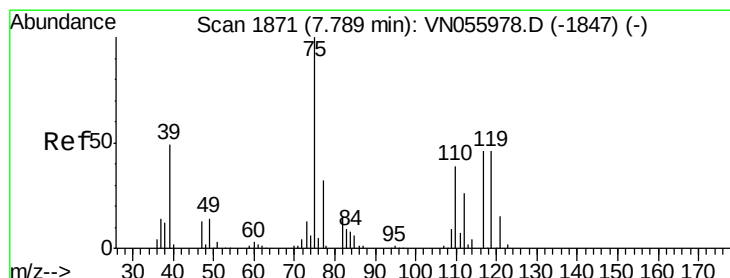
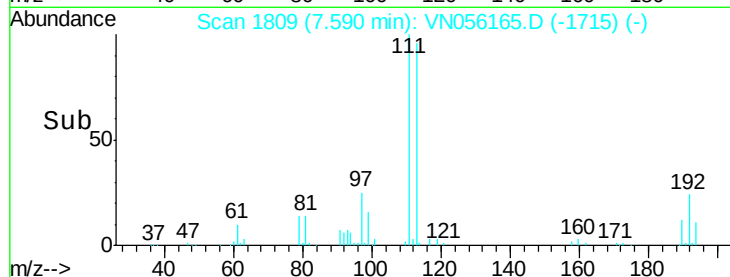
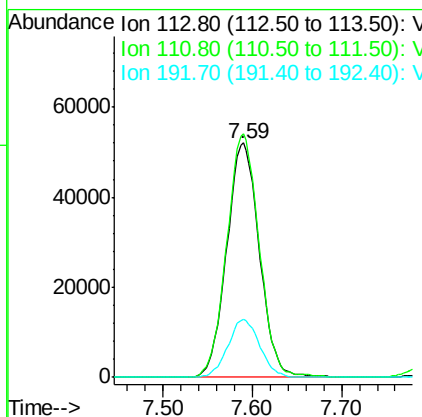
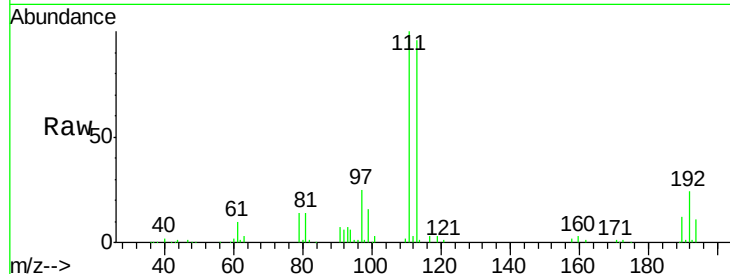
ClientSampled :

VN0610WBS01

Tot Ion:	113	Resp:	131744
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.9	122.9
192	24.1	19.5	29.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.571 ug/l

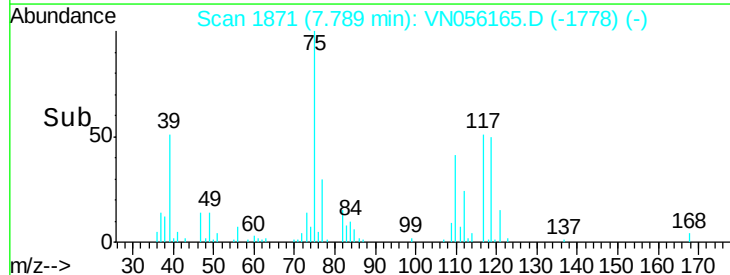
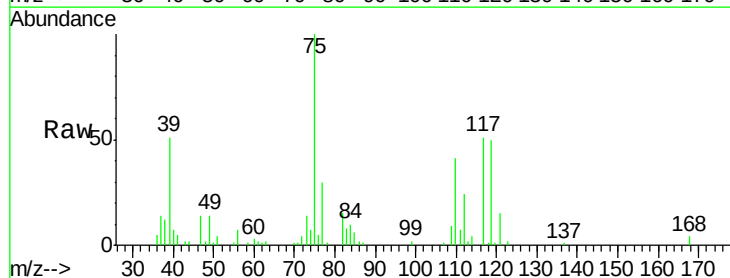
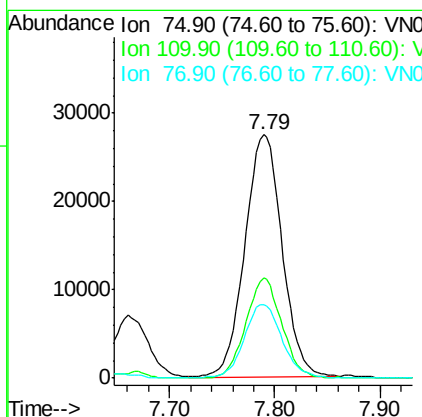
RT: 7.79 min Scan# 1871

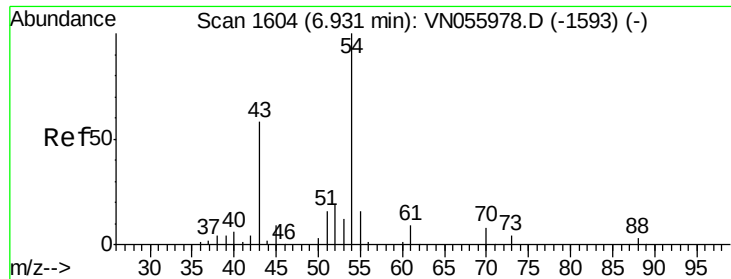
Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion:	75	Resp:	67506
Ion Ratio	Lower	Upper	
75	100		
110	39.6	19.0	57.0
77	30.9	25.1	37.7





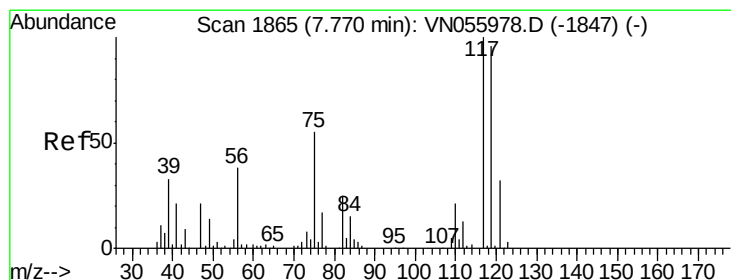
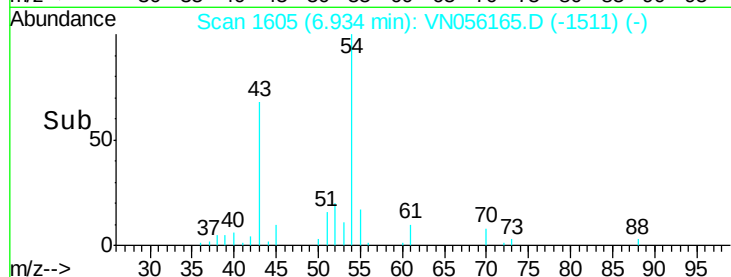
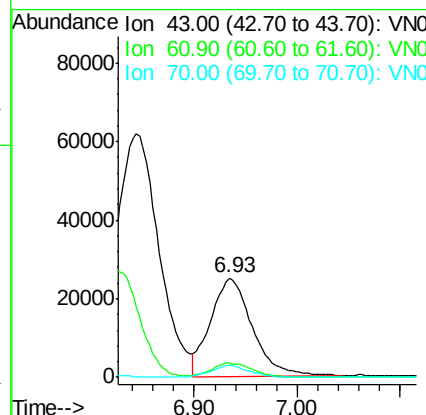
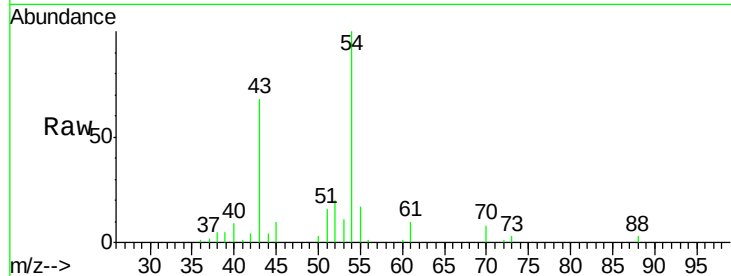
#37
Ethyl Acetate
Concen: 21.554 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.2	18.2
70	10.9	8.9	13.3

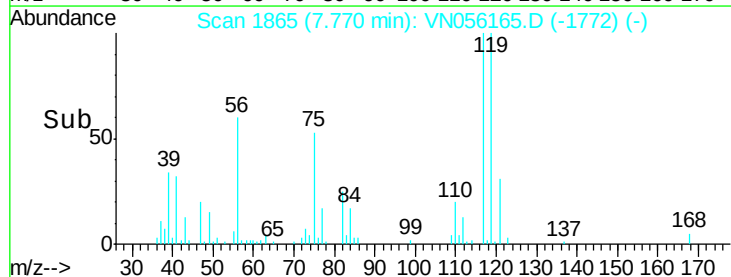
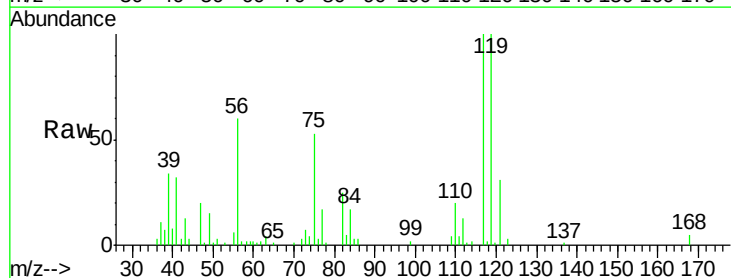
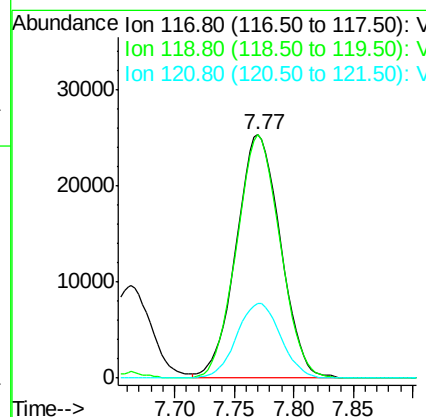
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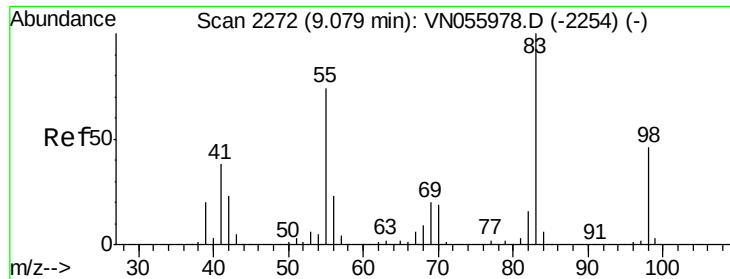
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#38
Carbon Tetrachloride
Concen: 19.452 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	79.0	118.6
121	30.9	24.7	37.1





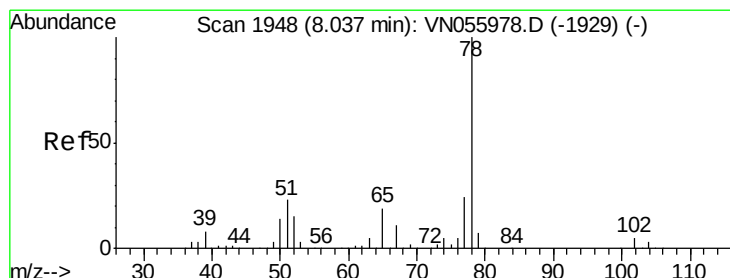
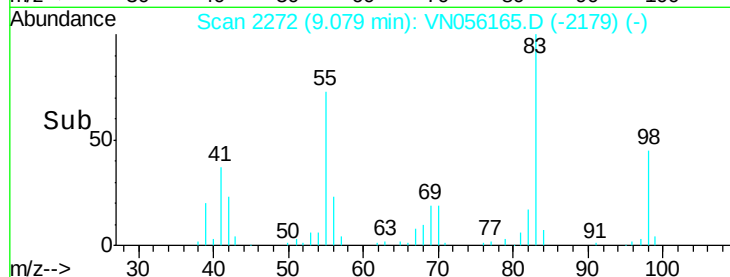
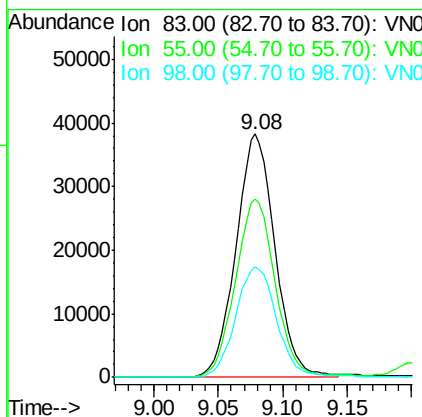
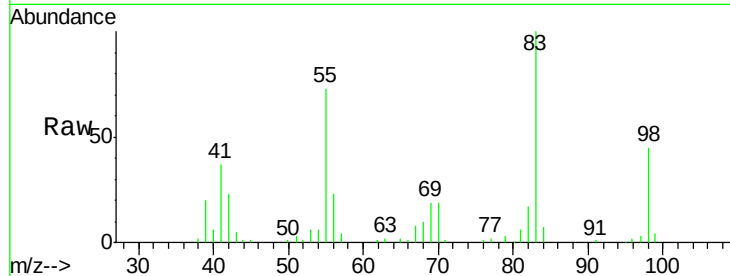
#39
Methylvlcyclohexane
Concen: 17.740 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	83	Resp	80333
Ion Ratio	100	Lower	Upper
83	100		
55	73.5	59.3	88.9
98	45.1	36.6	54.8

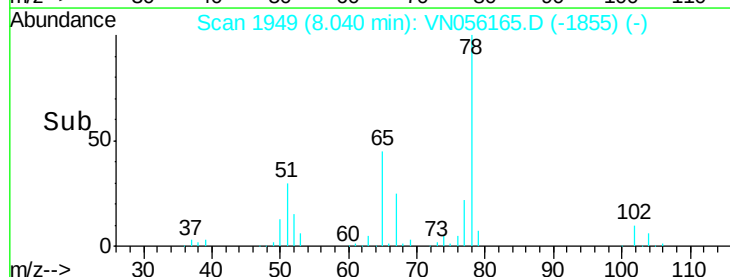
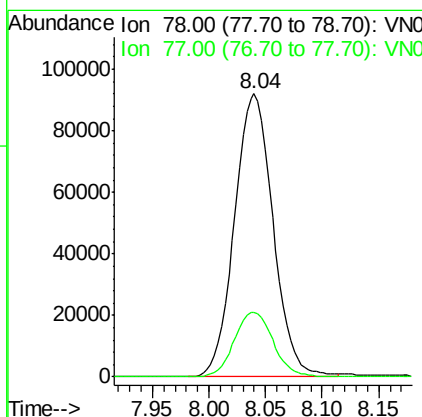
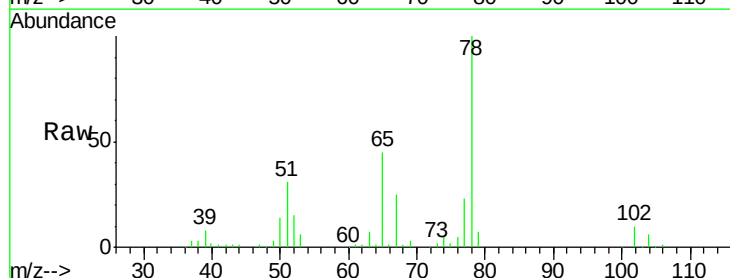
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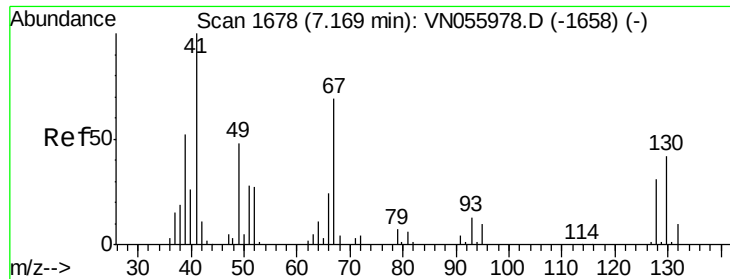
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#40
Benzene
Concen: 19.828 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	78	Resp	218906
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	18.8	28.2





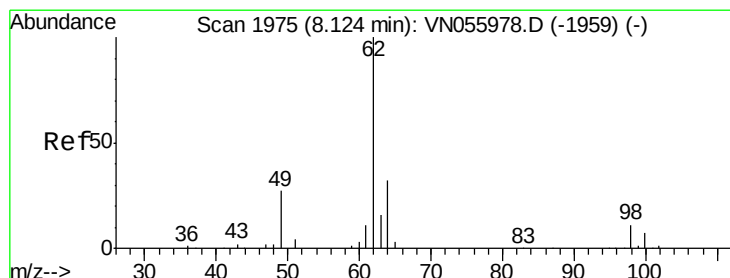
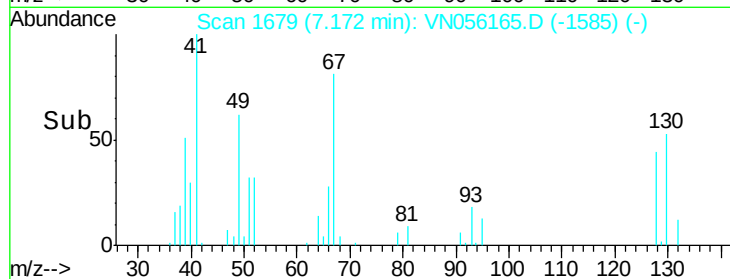
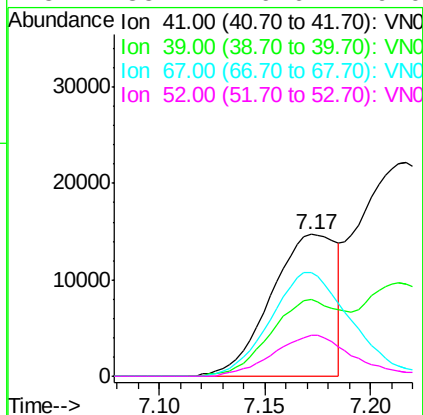
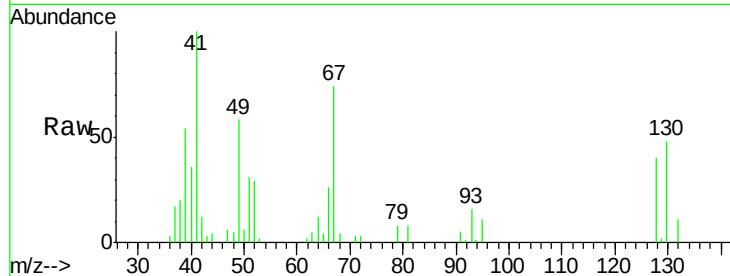
#41
Methacrylonitrile
Concen: 21.313 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion:	41	Resp:	31716
Ion	Ratio	Lower	Upper
41	100		
39	61.2	45.6	68.4
67	91.4	67.7	101.5
52	35.4	26.6	40.0

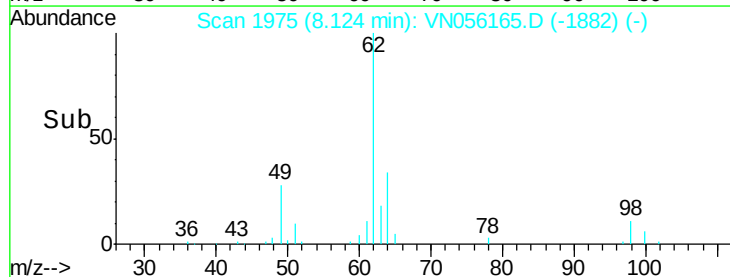
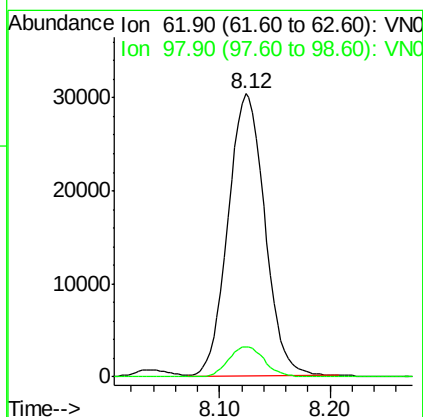
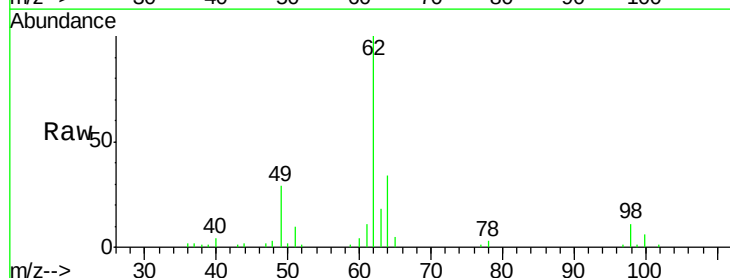
Manual Integrations
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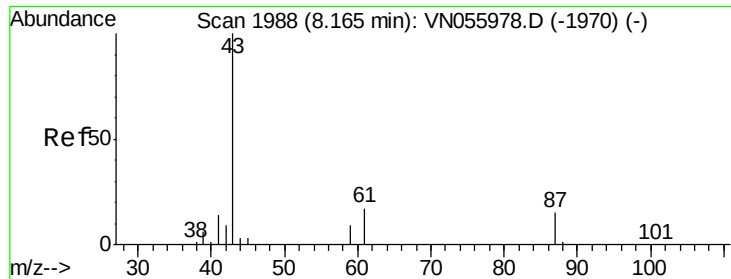
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.806 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion:	62	Resp:	70338
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





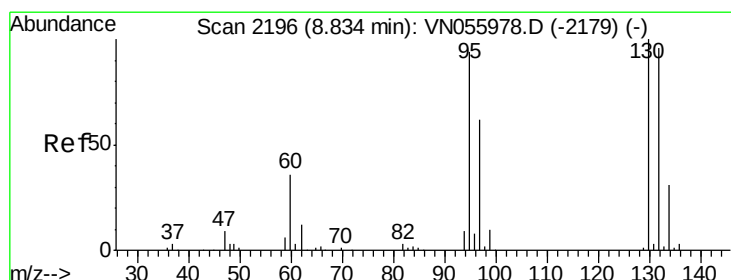
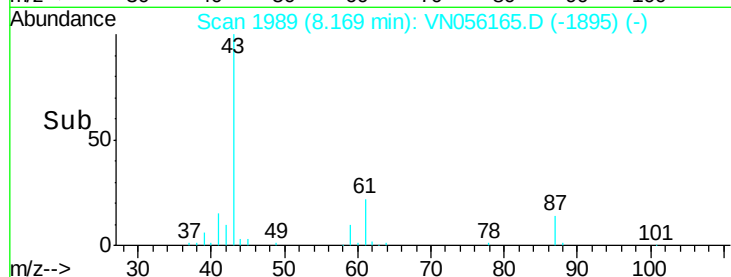
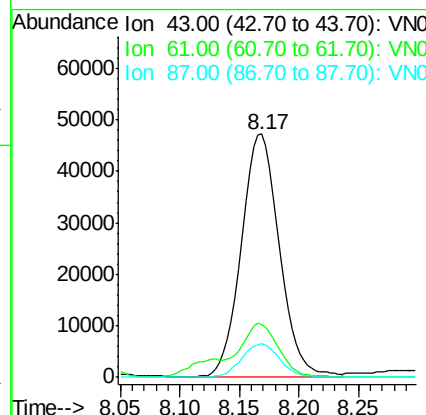
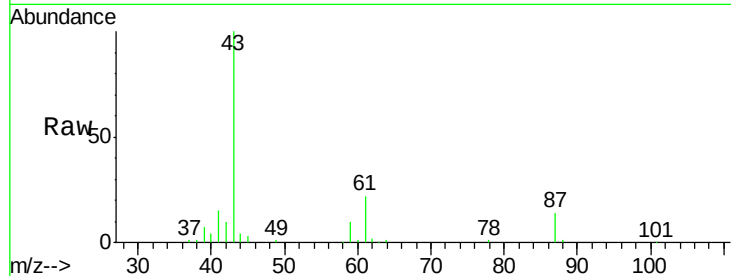
#43
Isopropyl Acetate
Concen: 19.892 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	22.2	33.4#
87	13.8	11.4	17.2

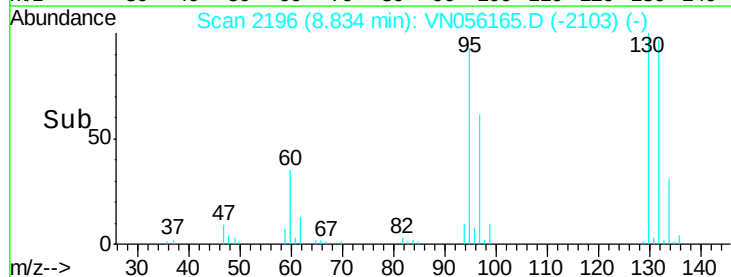
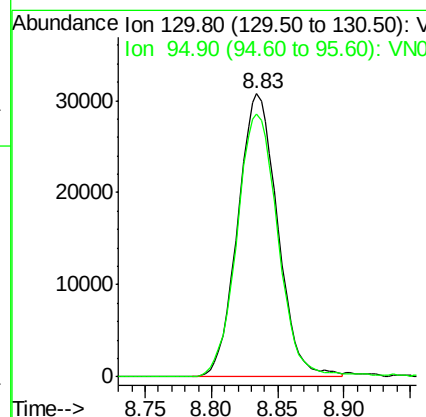
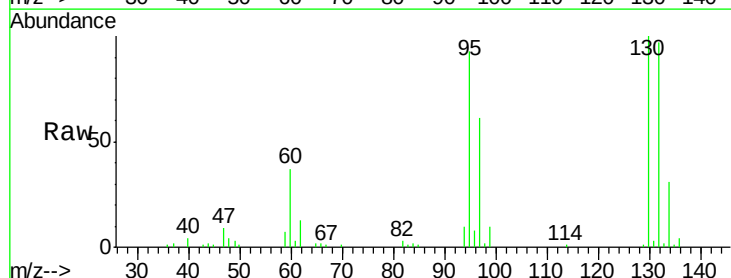
Manual Integrations
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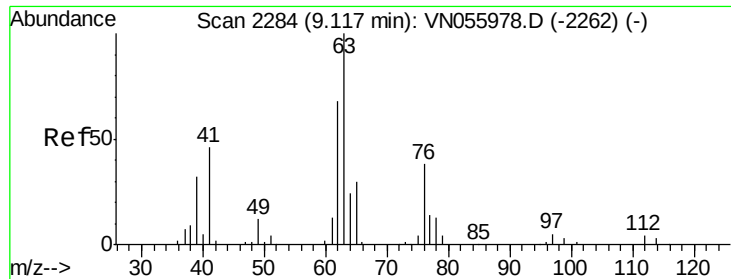
MMDadoda
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#44
Trichloroethene
Concen: 20.213 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	188.0





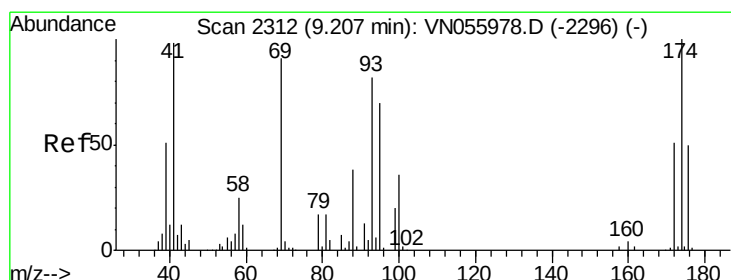
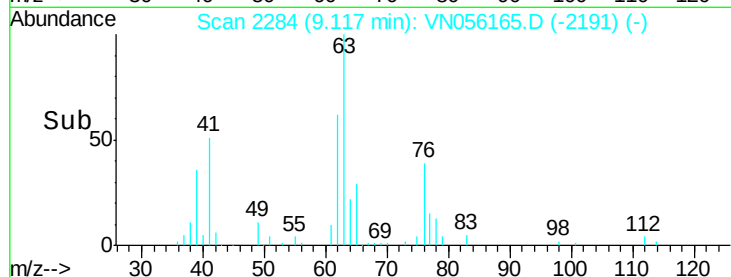
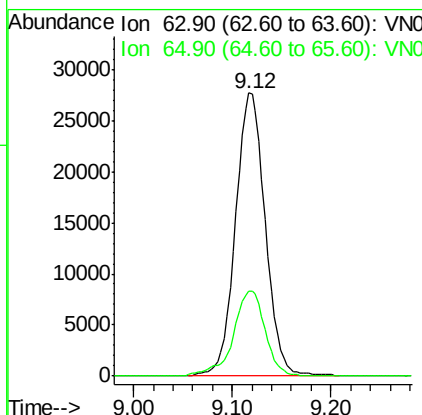
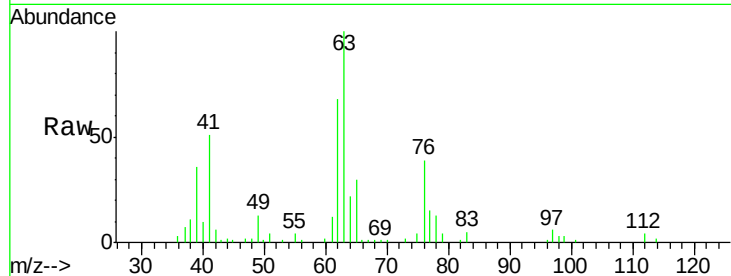
#45
 1,2-Dichloropropane
 Concen: 20.558 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion: 63 Resp: 58138
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 36.8

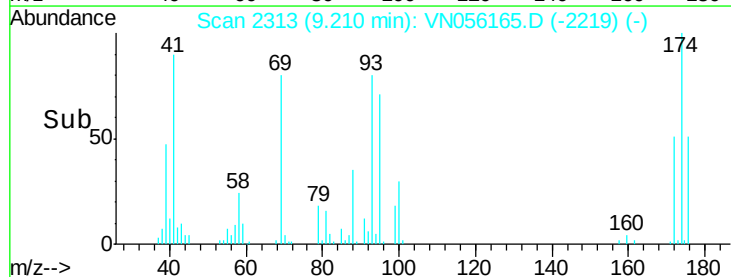
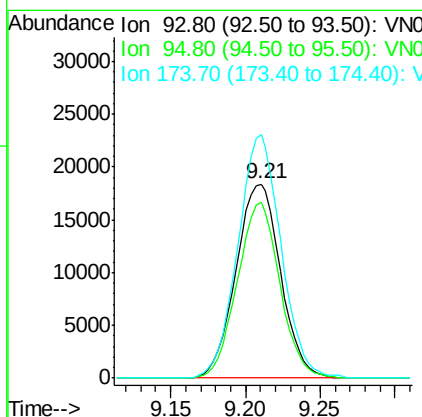
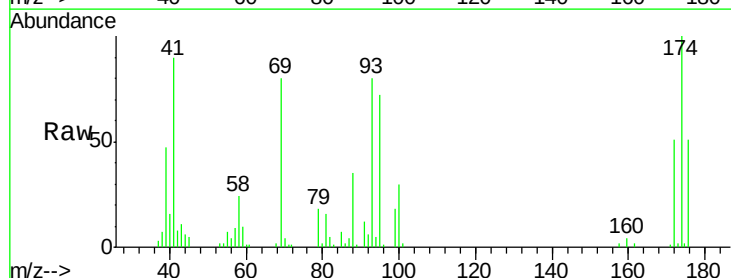
Manual Integrations
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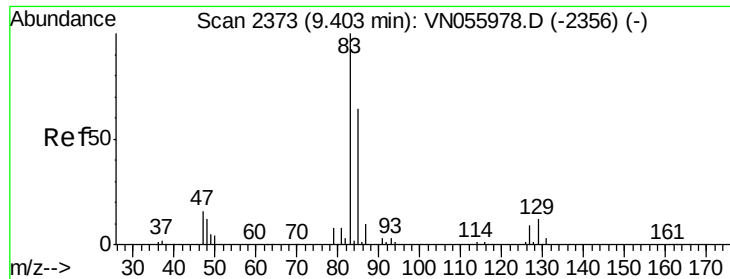
MMDadoda
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#46
 Dibromomethane
 Concen: 20.652 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 93 Resp: 38191
 Ion Ratio Lower Upper
 93 100
 95 86.0 66.7 100.1
 174 121.6 96.4 144.6





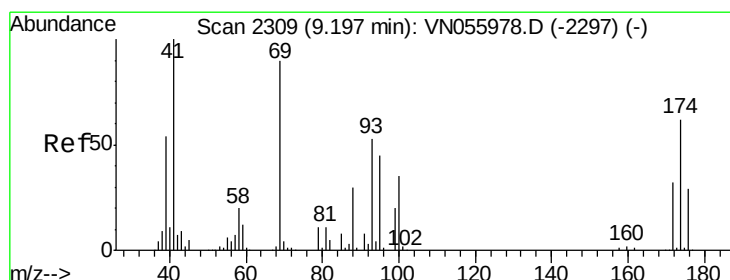
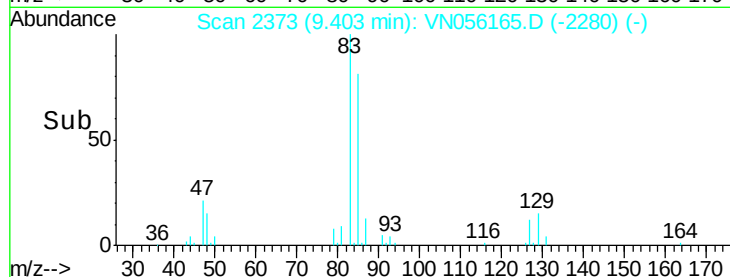
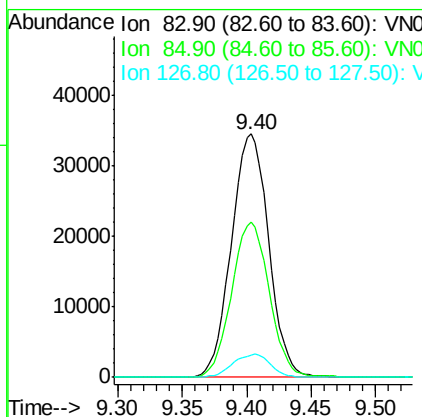
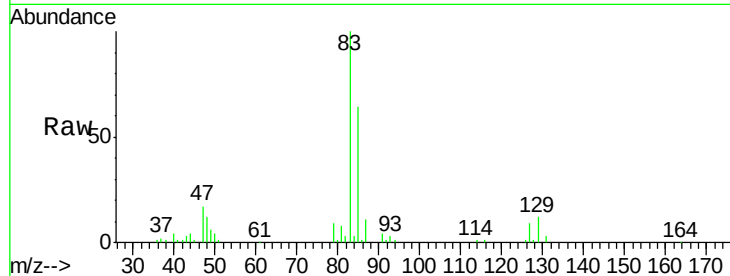
#47
Bromodichloromethane
Concen: 20.740 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

Tot Ion	83	Resp	69513
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	52.2	78.2
127	9.2	7.4	11.0

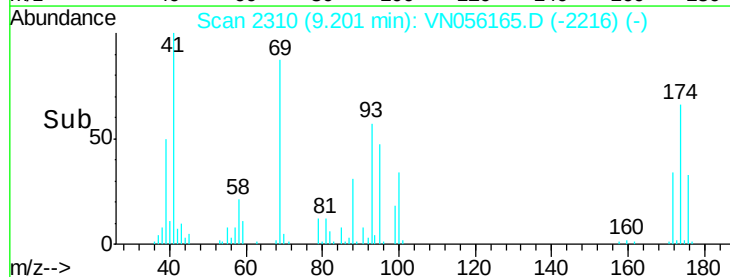
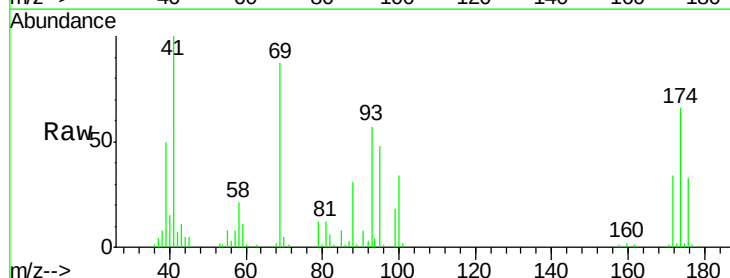
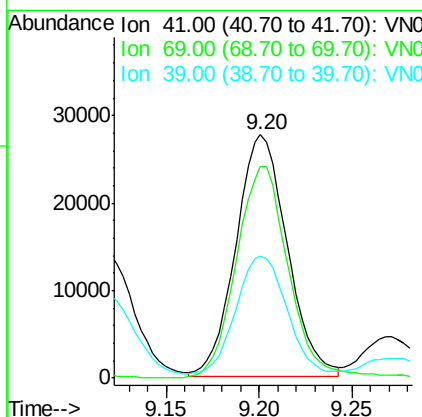
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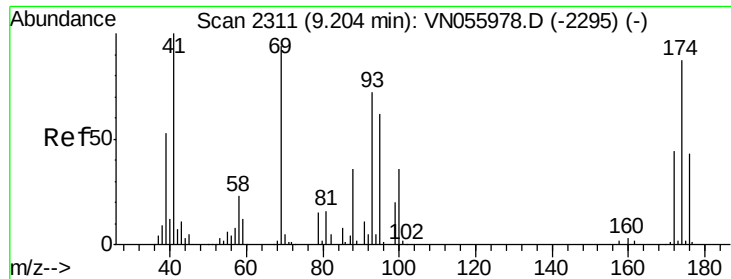
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#48
Methyl methacrylate
Concen: 20.703 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	41	Resp	53084
Ion Ratio	100	Lower	Upper
41	100		
69	90.1	71.0	106.6
39	51.0	44.2	66.2





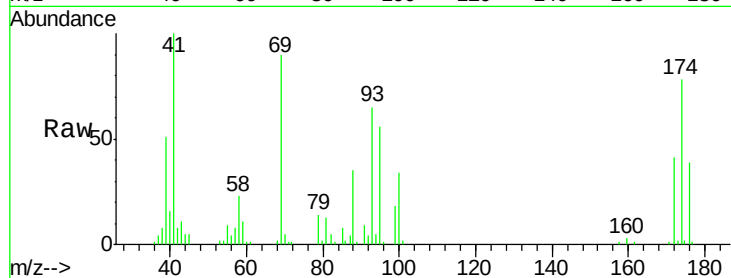
#49
1,4-Dioxane
Concen: 398.061 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.1	20.5	30.7
58	65.7	55.8	83.6

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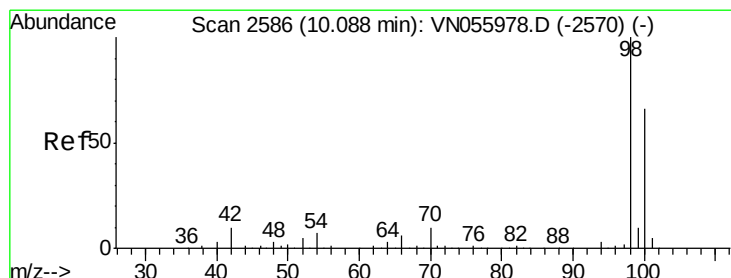
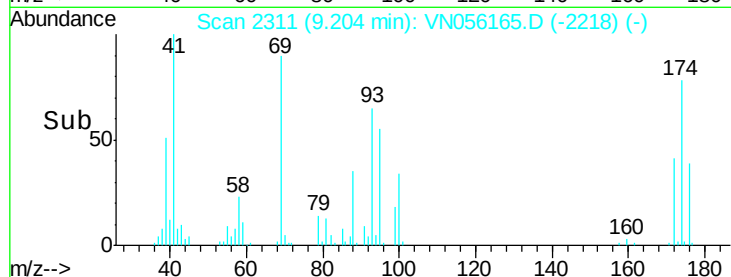
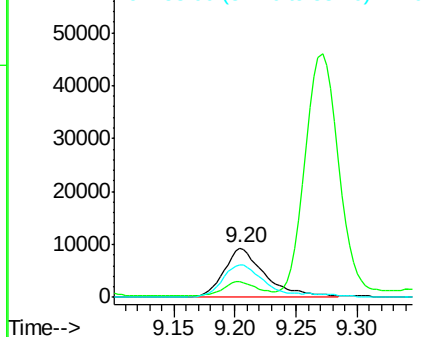


Abundance

Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

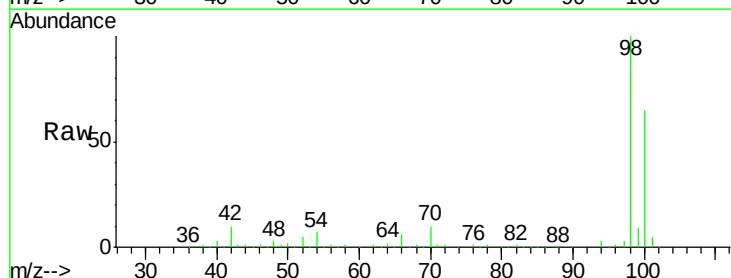
Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



#50
Toluene-d8
Concen: 48.728 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

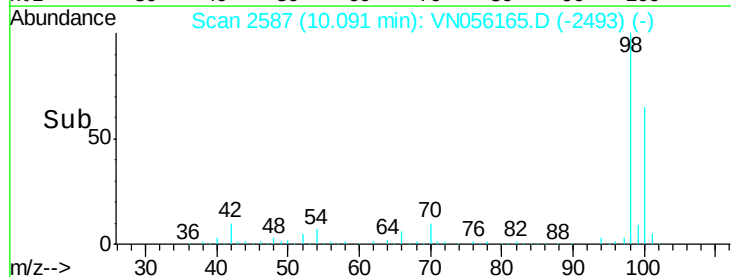
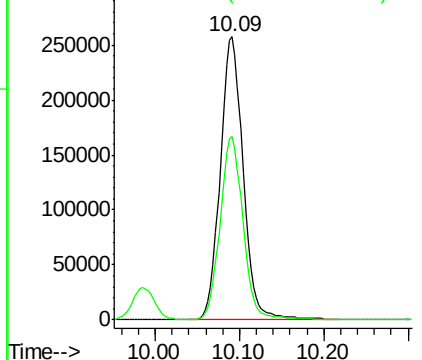
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9

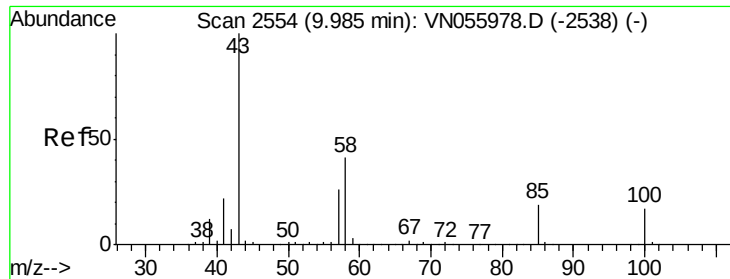


Abundance

Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 104.188 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS01

Tot Ion: 43 Resp: 341478

Ion Ratio Lower Upper

43 100

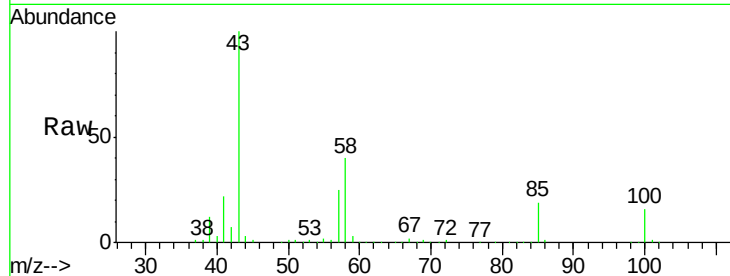
58 40.1 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

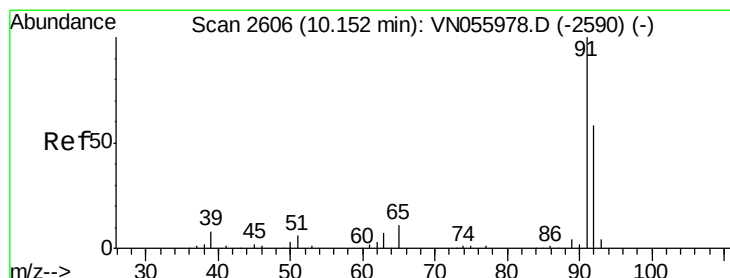
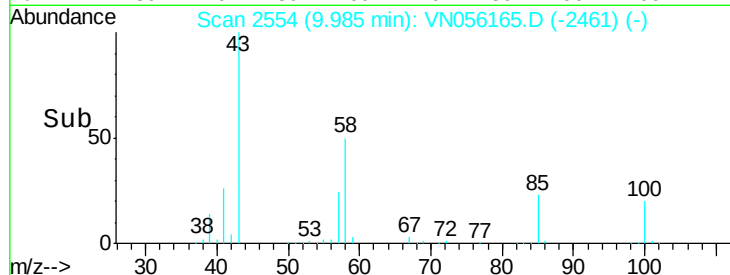
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.207 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056165.D

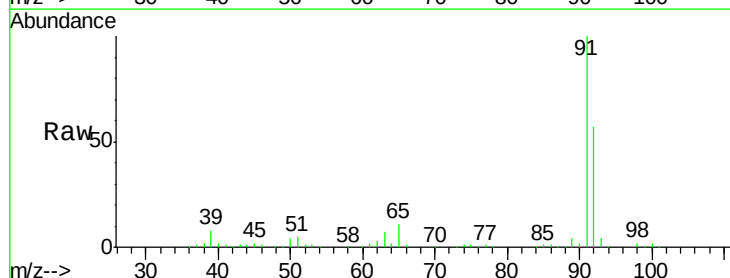
Acq: 10 Jun 2019 13:17

Tgt Ion: 92 Resp: 138823

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

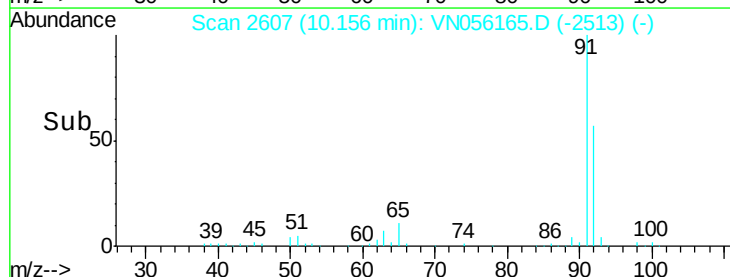
150000

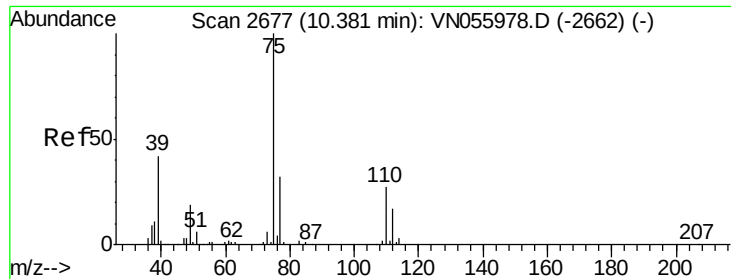
100000

50000

0

Time-->





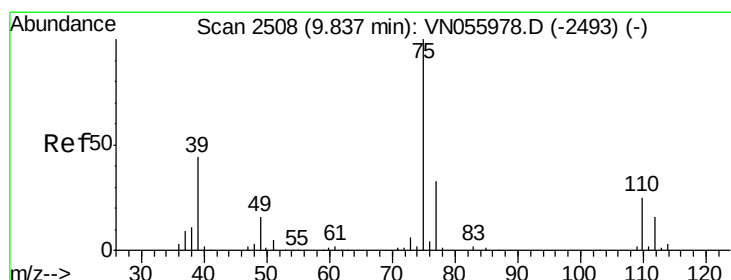
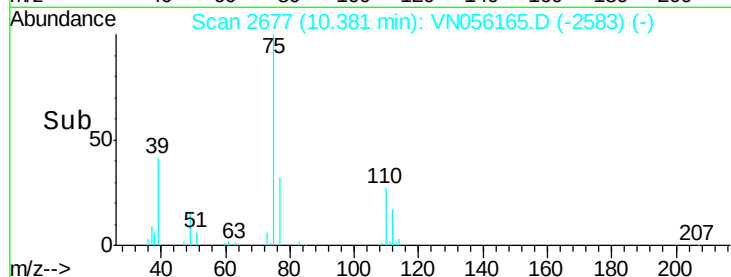
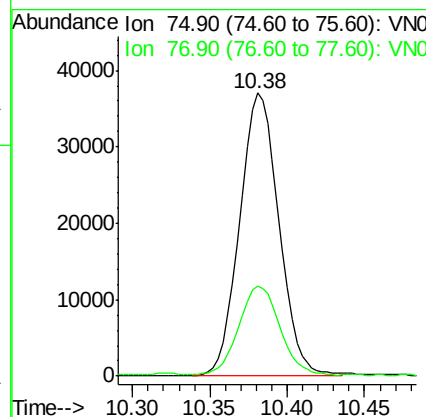
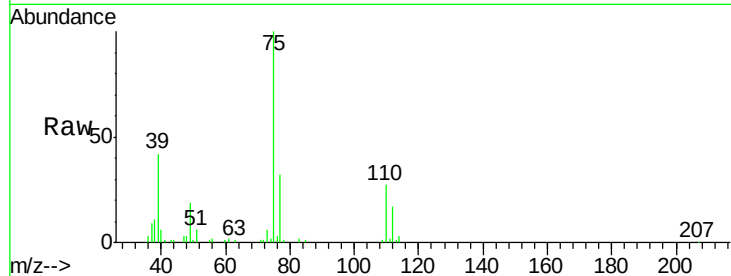
#53
t-1,3-Dichloropropene
Concen: 18.262 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

Tot Ion: 75 Resp: 65480
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6

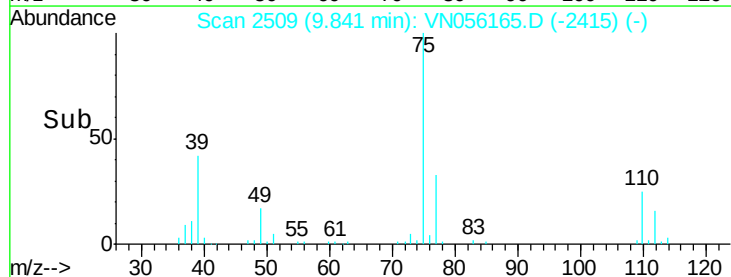
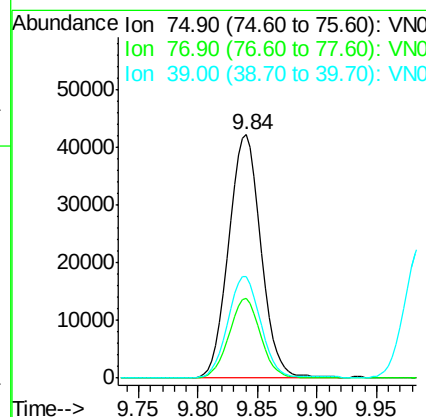
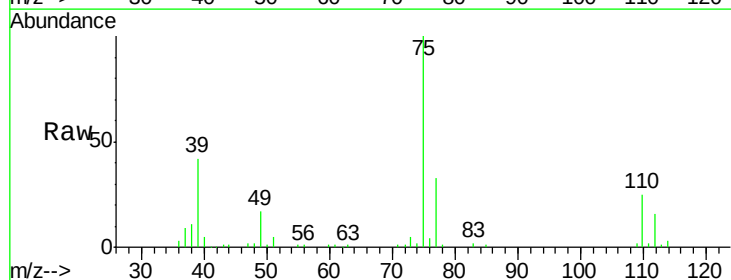
Manual Integrations
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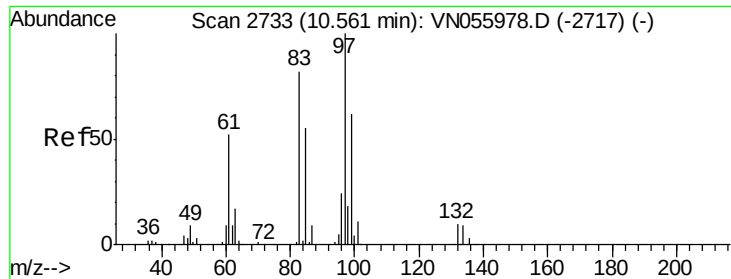
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#54
cis-1,3-Dichloropropene
Concen: 19.745 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 75 Resp: 79546
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 41.6 36.3 54.5





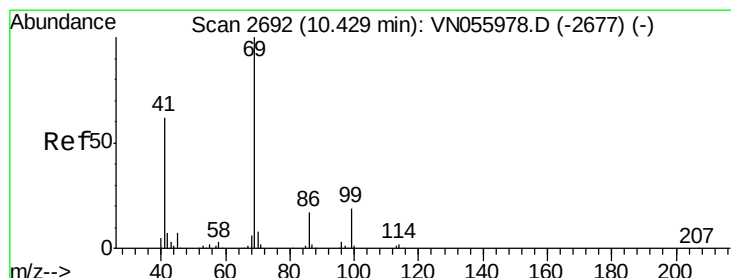
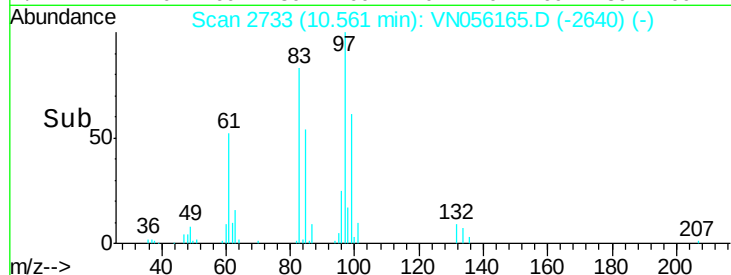
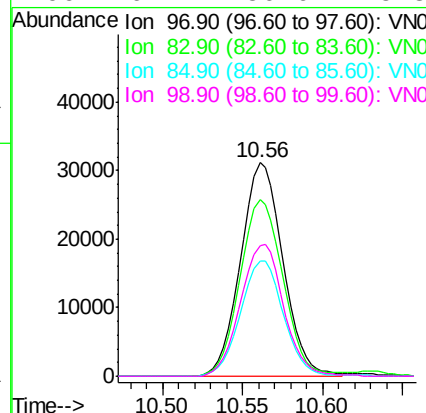
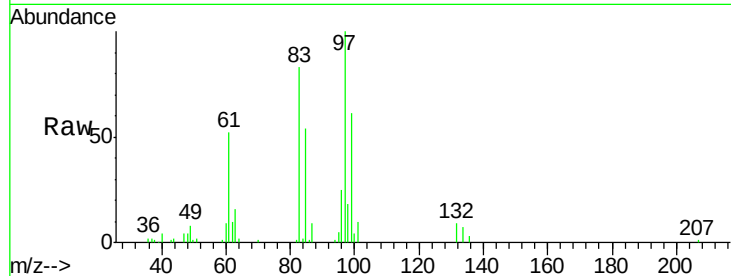
#55
 1,1,2-Trichloroethane
 Concen: 20.640 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion:	97	Resp:	56169
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.0	100.6
85	53.8	44.0	66.0
99	61.4	50.6	75.8

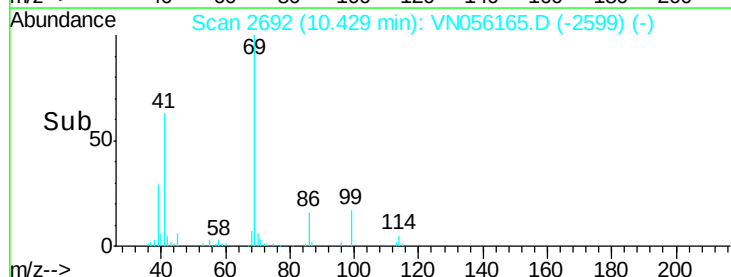
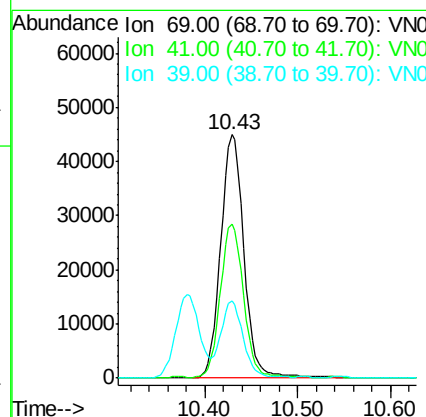
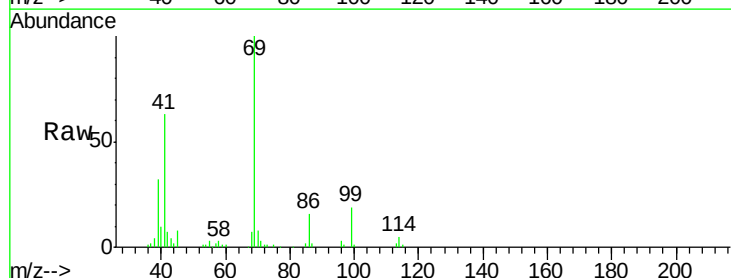
Manual Integrations
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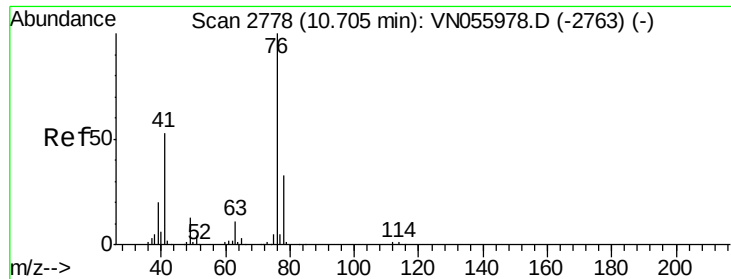
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#56
 Ethyl methacrylate
 Concen: 19.802 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion:	69	Resp:	78617
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.7	74.5
39	29.2	24.7	37.1





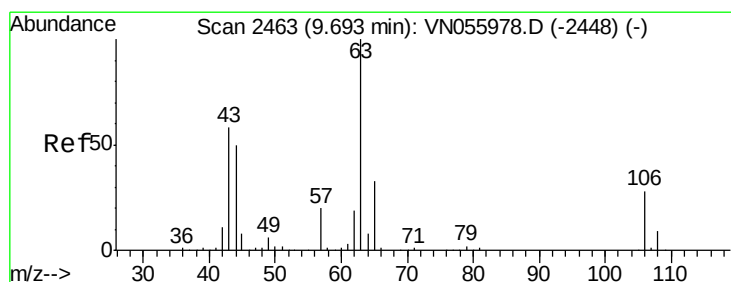
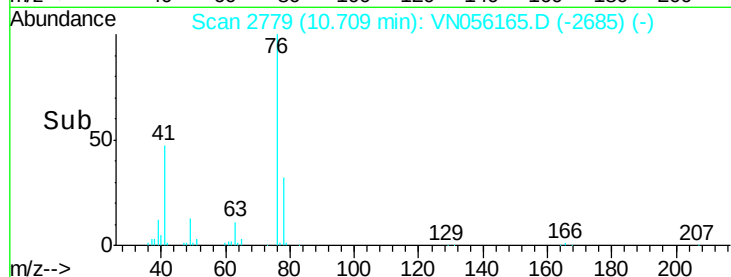
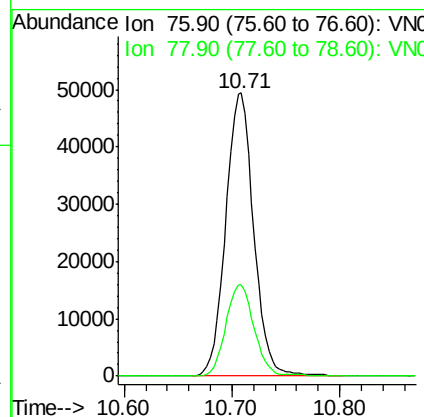
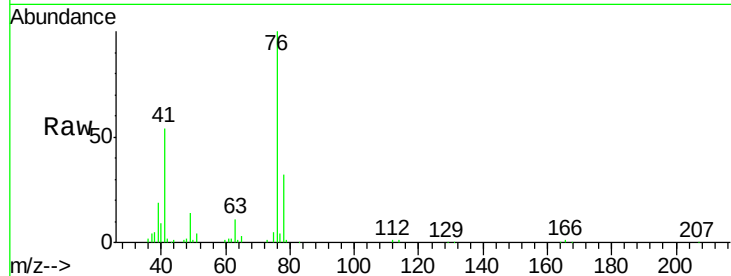
#57
 1,3-Dichloropropane
 Concen: 20.130 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion: 76 Resp: 89052
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

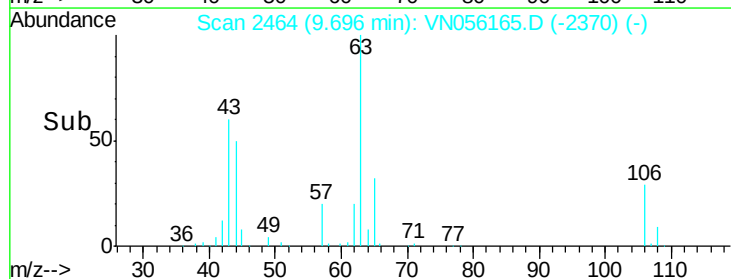
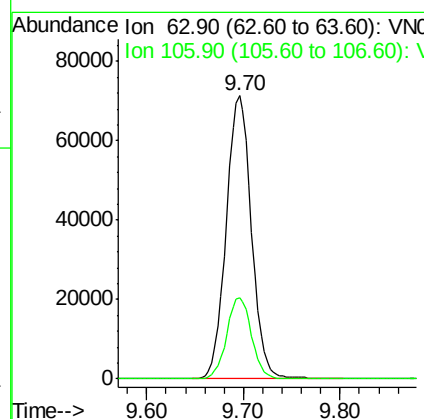
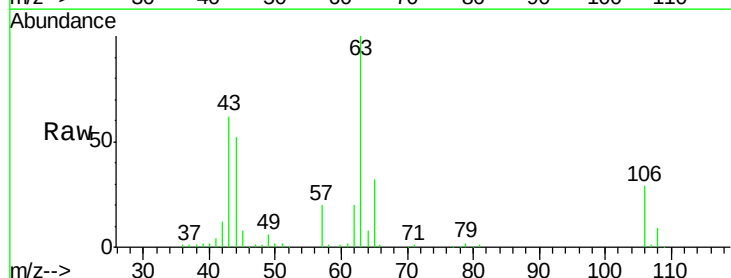
Manual Integrations
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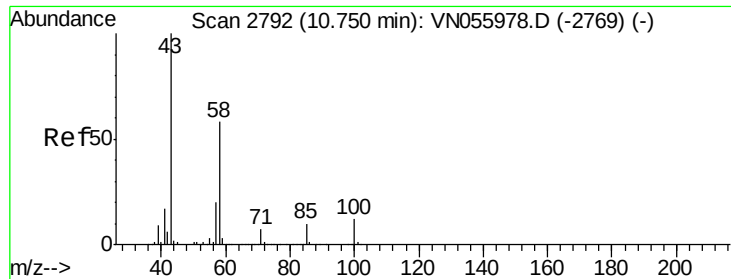
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.300 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 63 Resp: 129586
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1





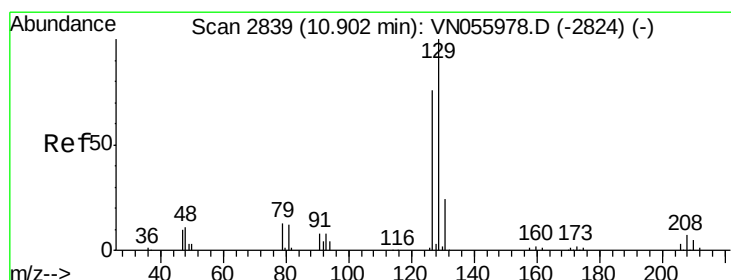
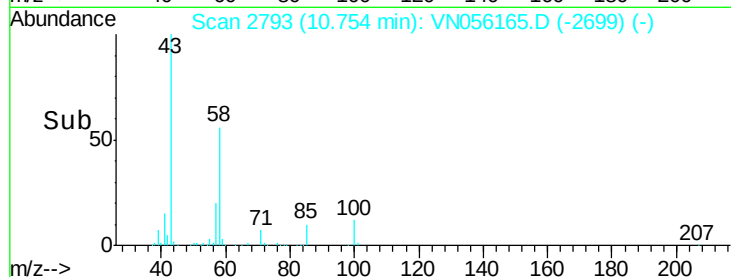
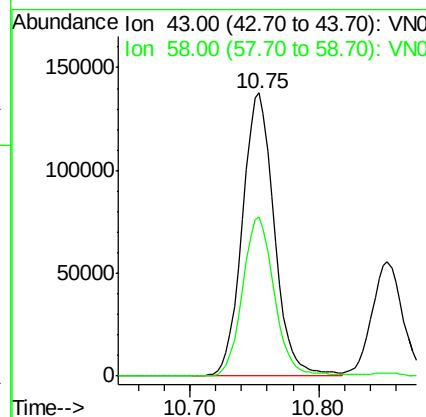
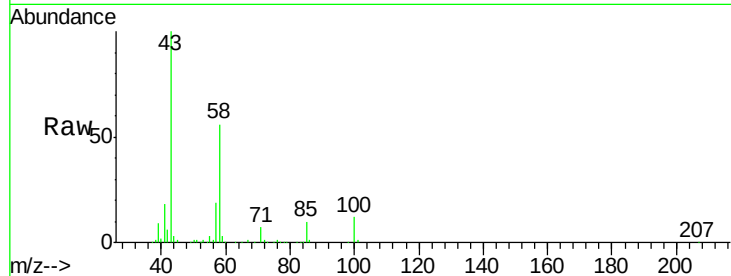
#59
2-Hexanone
Concen: 99.653 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion: 43 Resp: 236724
Ion Ratio Lower Upper
43 100
58 56.1 28.2 84.7

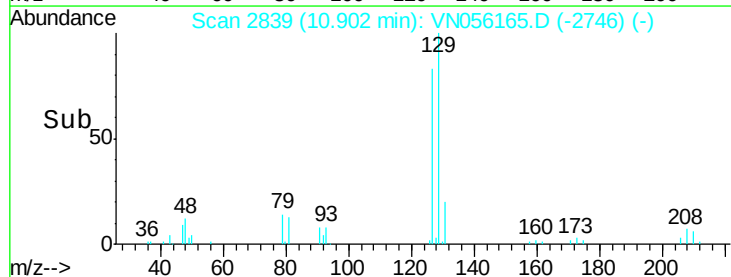
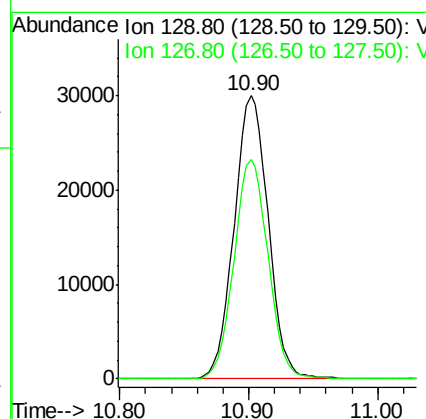
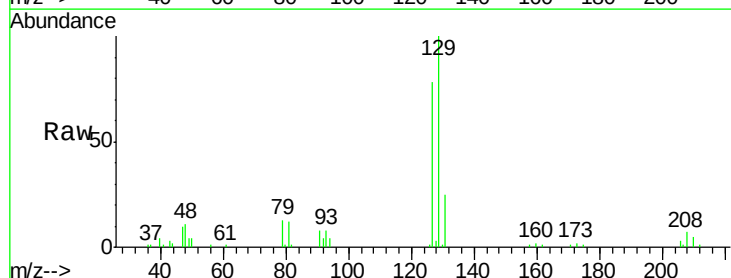
Manual Integrations
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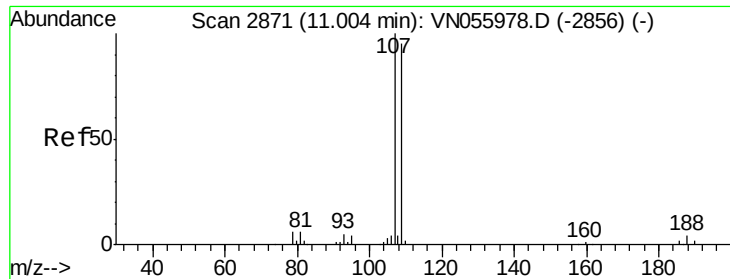
MMDadoda
6/11/2019 12:08:18 PM



#60
Dibromochloromethane
Concen: 19.919 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion:129 Resp: 55128
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





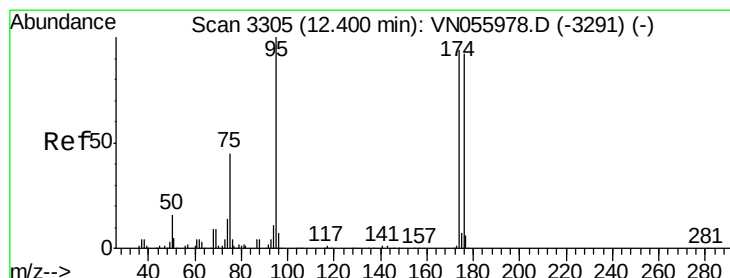
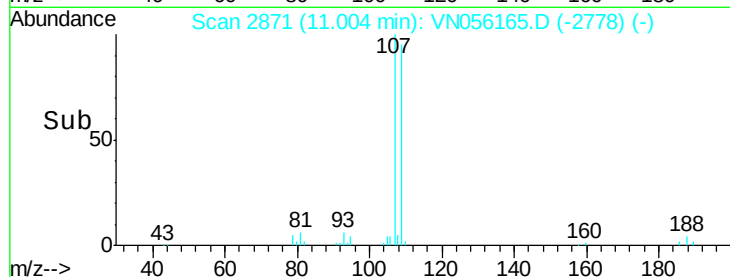
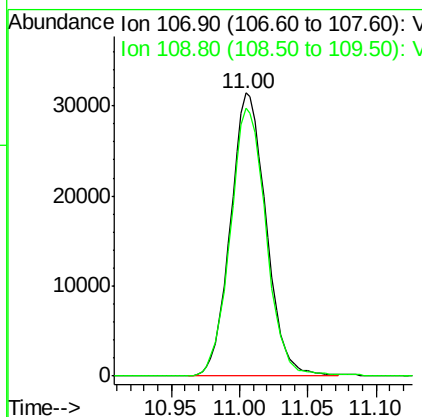
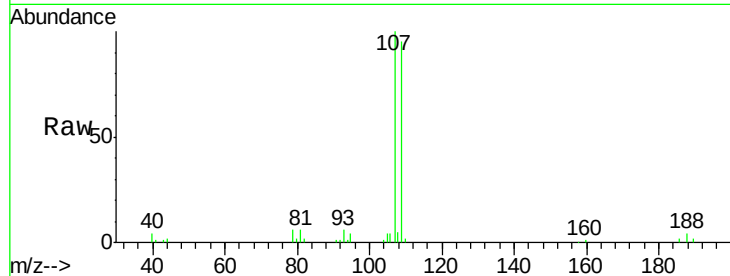
#61
 1,2-Dibromoethane
 Concen: 20.519 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion: 107 Resp: 57085
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.8 112.2

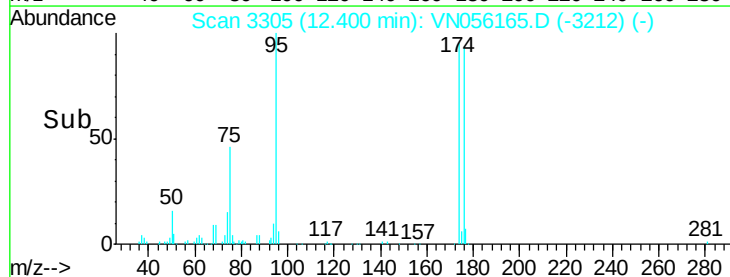
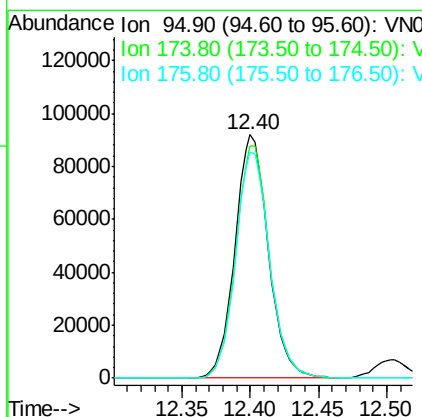
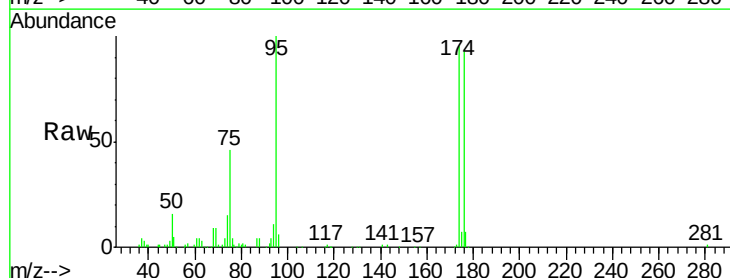
Manual Integrations
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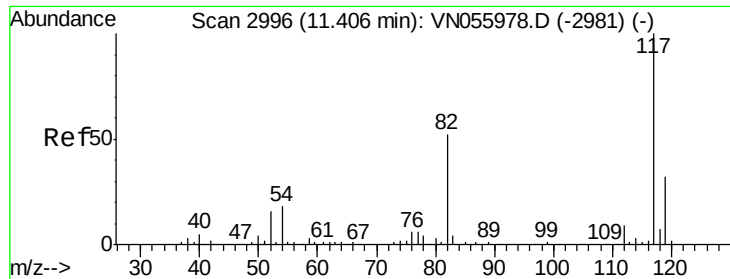
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#62
 4-Bromofluorobenzene
 Concen: 45.949 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion: 95 Resp: 155959
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 191.0
 176 94.2 0.0 185.2





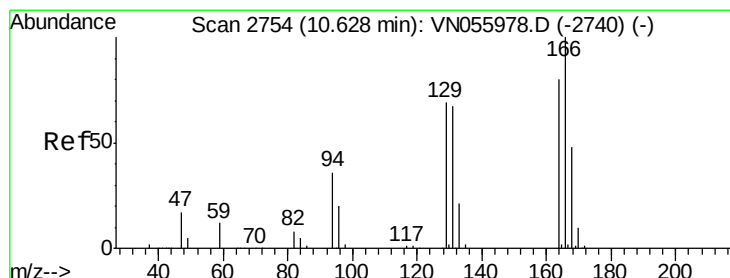
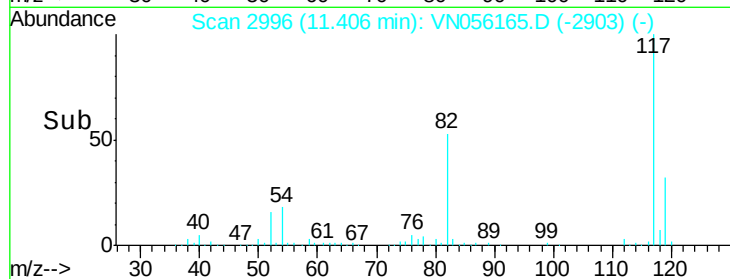
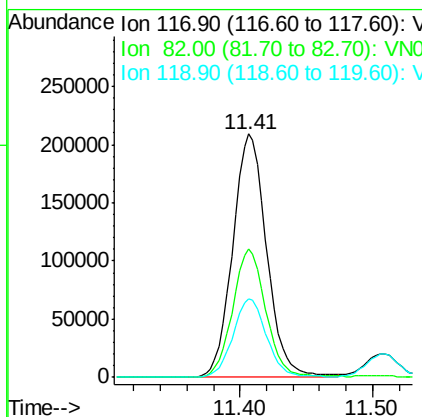
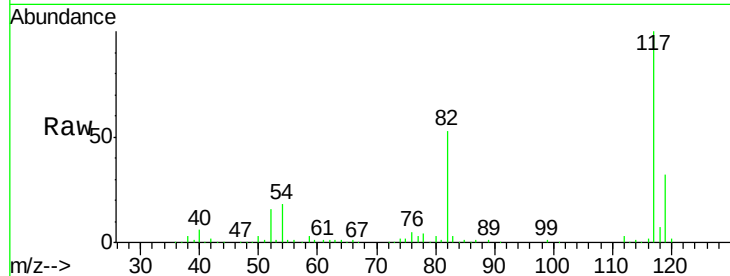
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.8
119	32.4	25.4	38.0

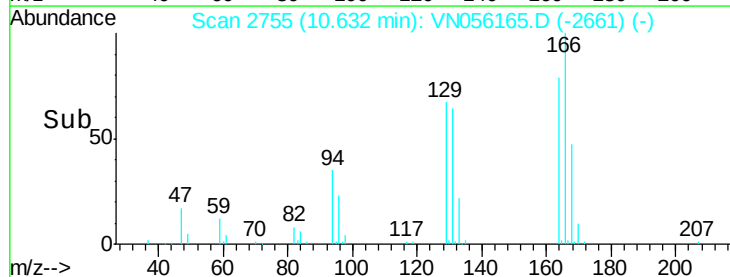
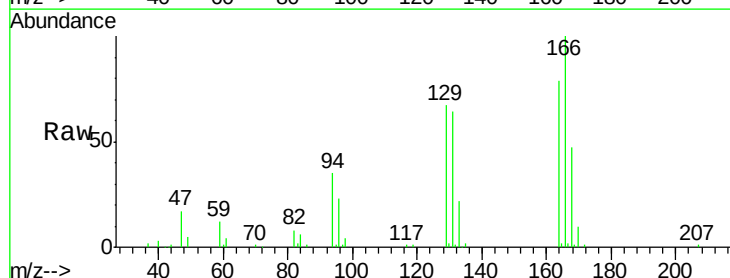
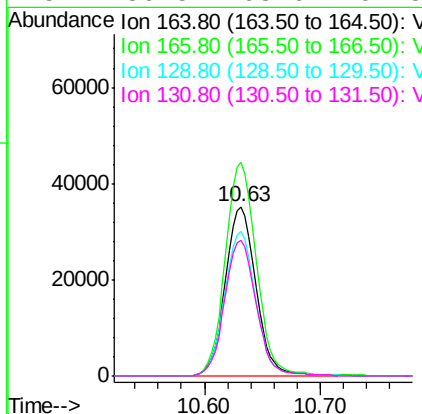
Manual Integrations
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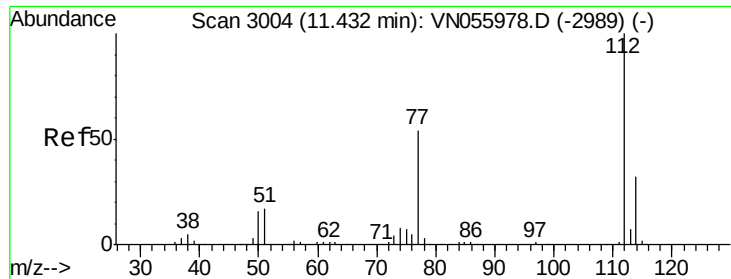
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#64
Tetrachloroethene
Concen: 20.016 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.0	154.6
129	85.1	70.6	105.8
131	80.5	68.6	102.8





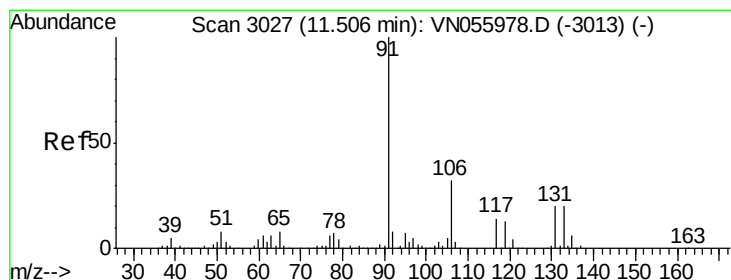
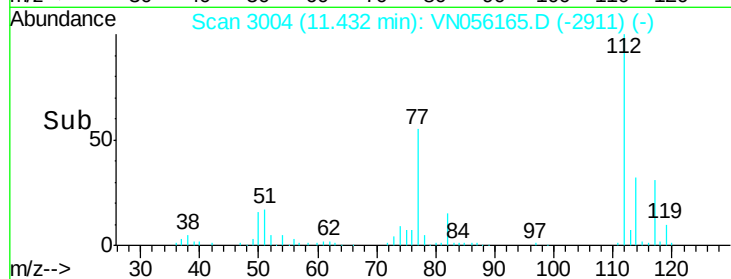
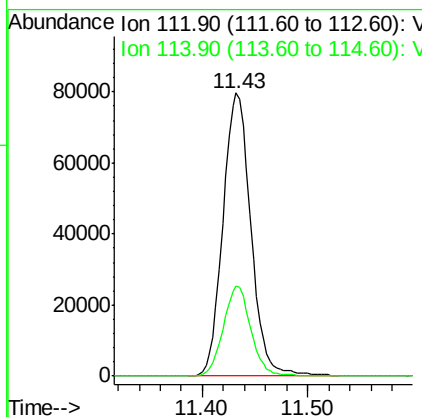
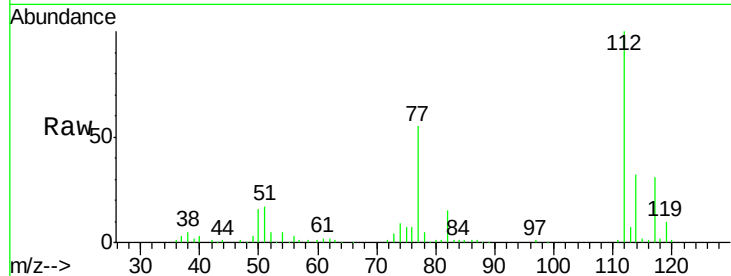
#65
Chlorobenzene
Concen: 19.759 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion:112 Resp: 146337
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

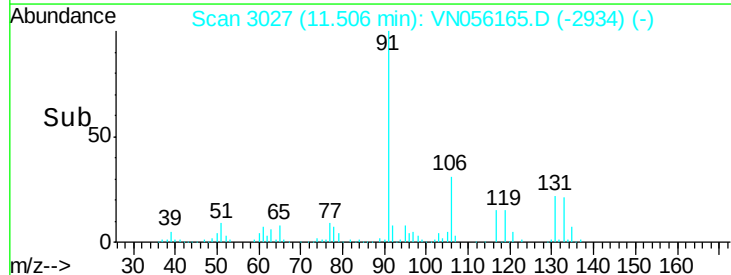
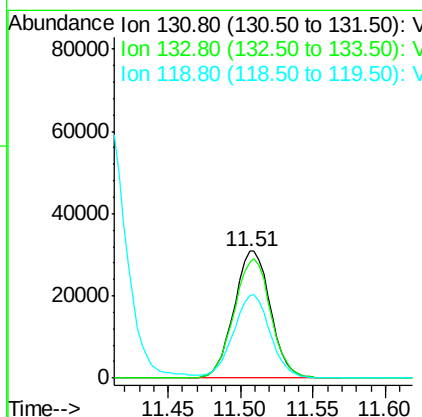
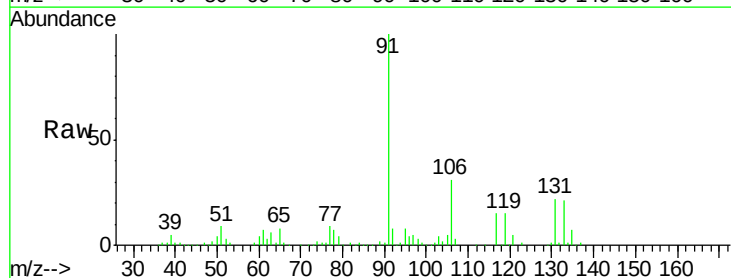
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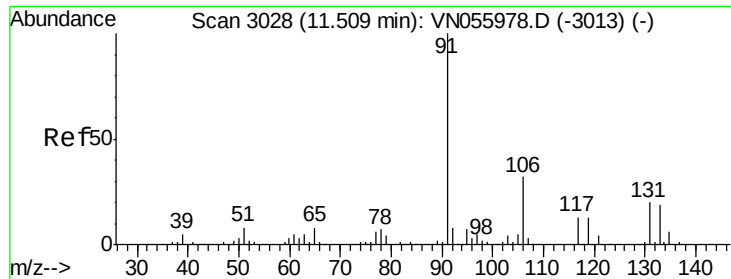
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.130 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion:131 Resp: 54034
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.0
119 66.4 33.1 99.5





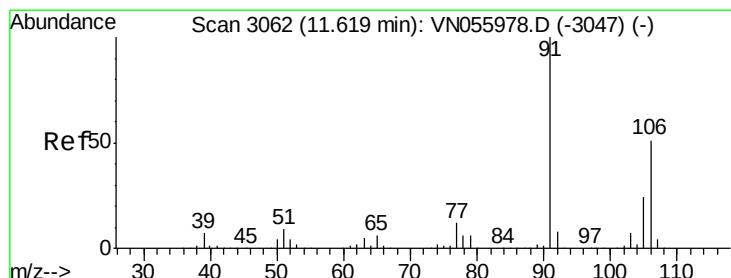
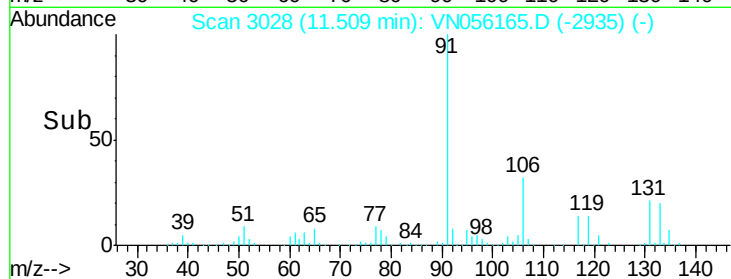
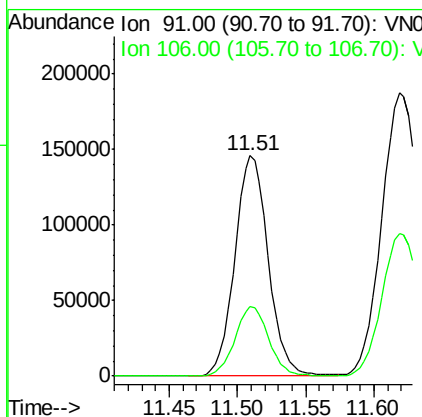
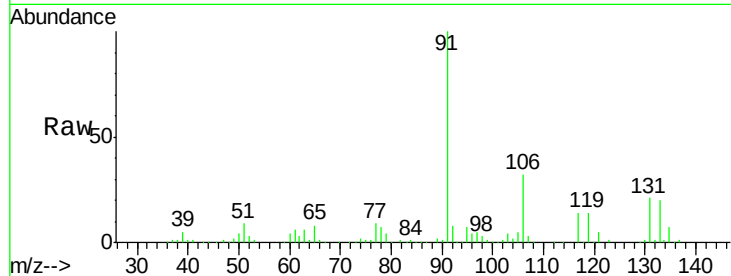
#67
Ethyl Benzene
Concen: 19.301 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

Tot Ion: 91 Resp: 248568
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

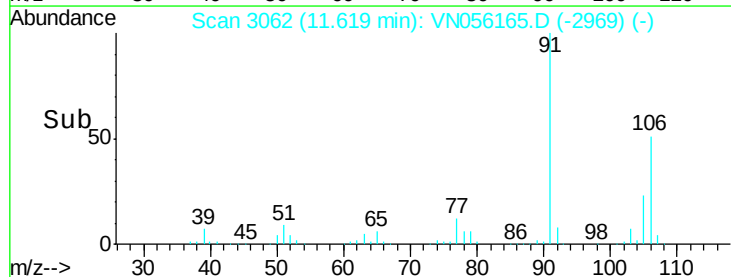
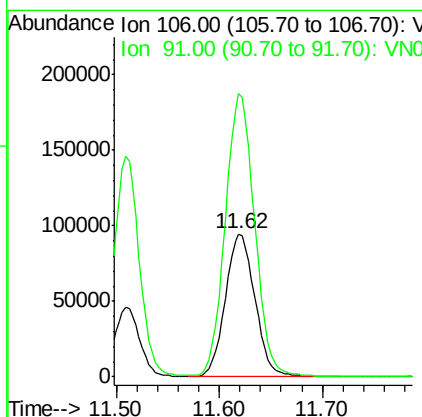
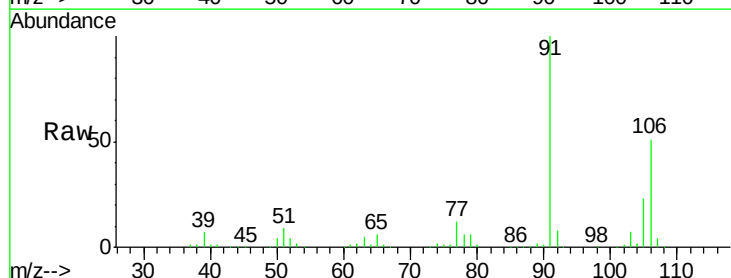
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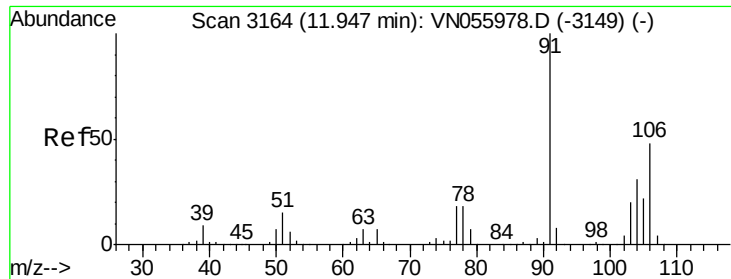
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#68
m/p-Xylenes
Concen: 38.491 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 106 Resp: 189360
Ion Ratio Lower Upper
106 100
91 197.5 159.3 238.9





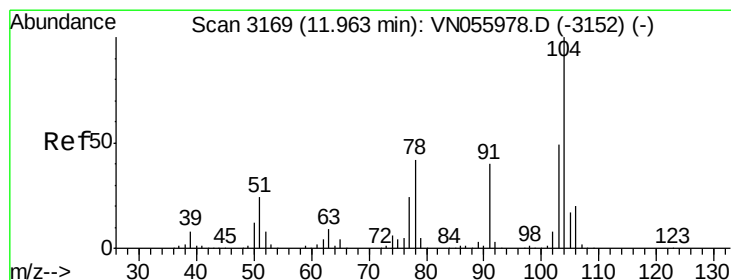
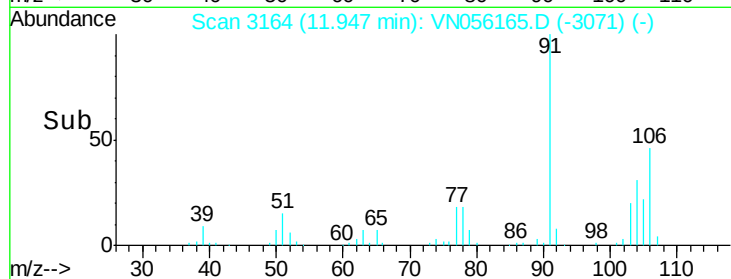
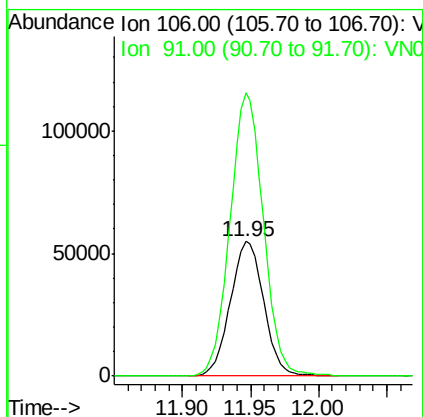
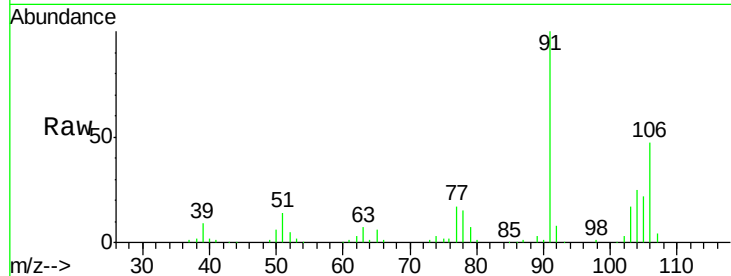
#69
o-Xylene
Concen: 19.393 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion:106 Resp: 93845
Ion Ratio Lower Upper
106 100
91 209.2 104.7 314.1

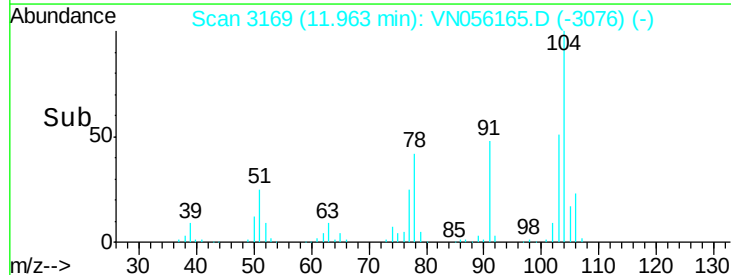
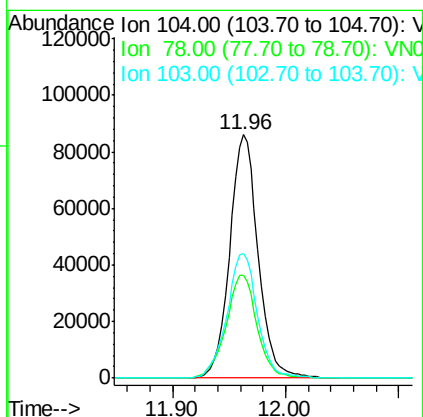
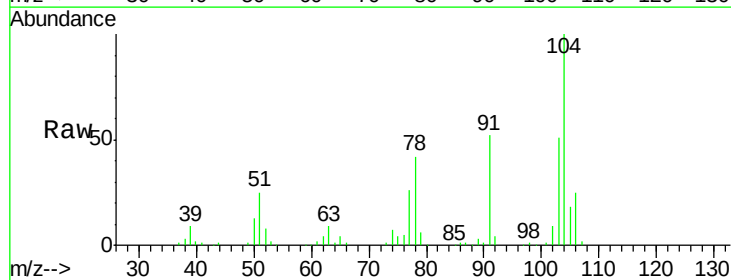
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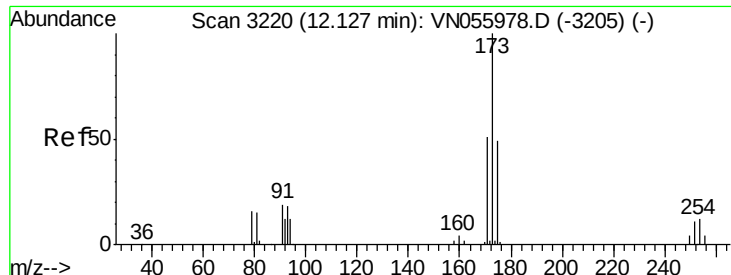
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#70
Styrene
Concen: 19.500 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion:104 Resp: 149930
Ion Ratio Lower Upper
104 100
78 46.2 37.8 56.6
103 55.3 44.2 66.2





#71

Bromoform

Concen: 19.660 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS01

Tot Ion:173 Resp: 38430

Ion Ratio Lower Upper

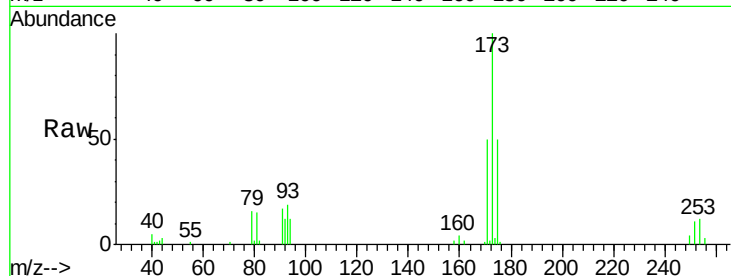
173 100

175 49.1 24.3 72.8

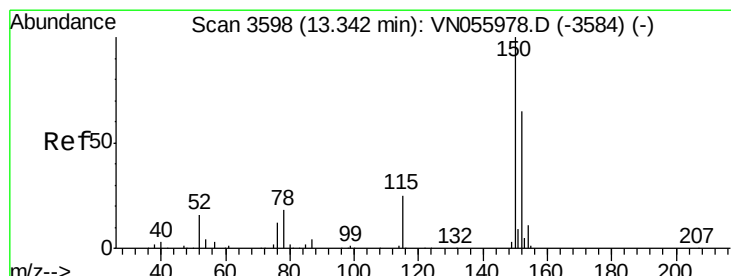
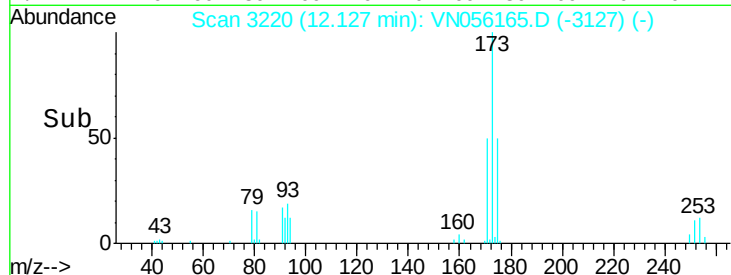
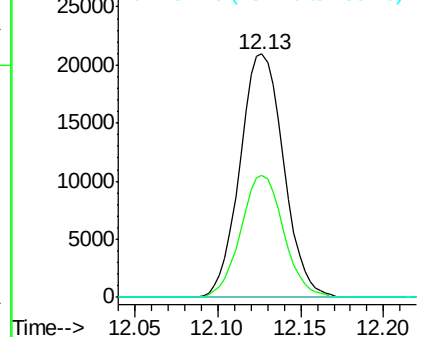
254 0.0 0.0 0.0

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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: VN056165.D

Acq: 10 Jun 2019 13:17

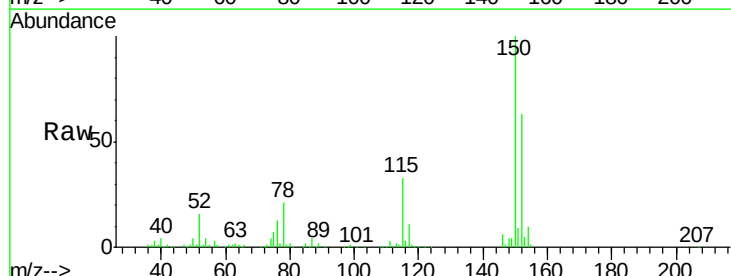
Tgt Ion:152 Resp: 147262

Ion Ratio Lower Upper

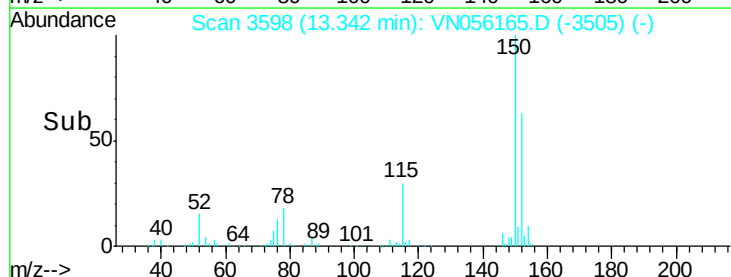
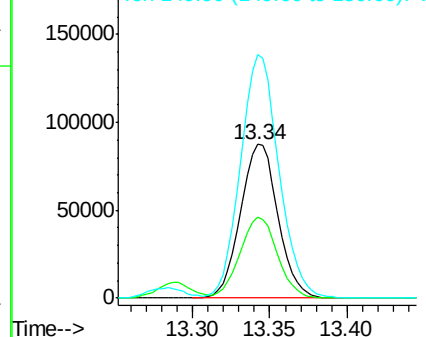
152 100

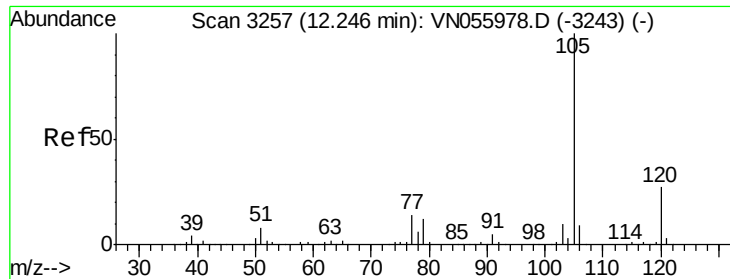
115 52.8 27.0 81.0

150 162.6 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





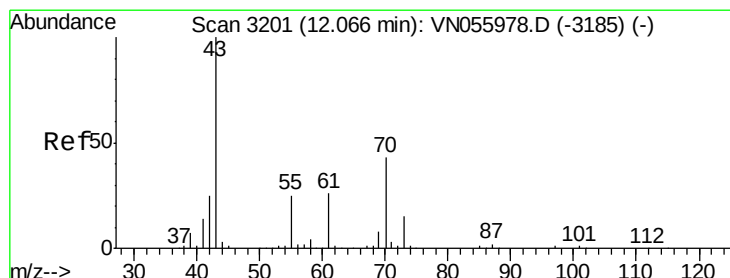
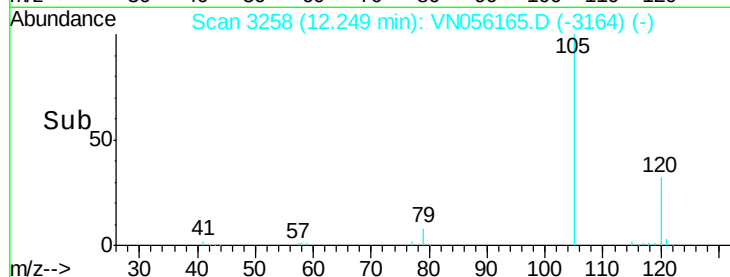
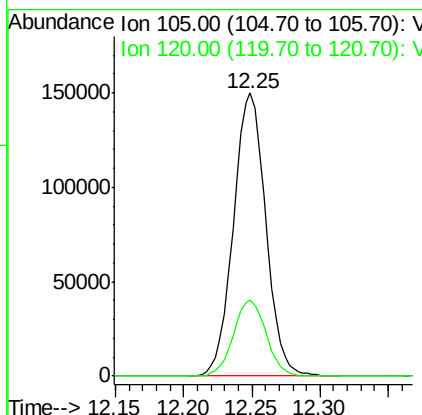
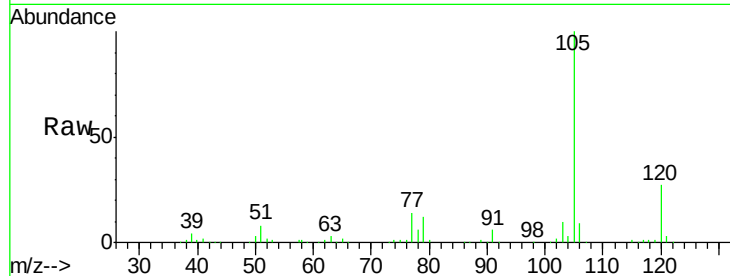
#73
Isopropylbenzene
Concen: 22.143 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Tot Ion: 105 Resp: 246586
Ion Ratio Lower Upper
105 100
120 27.2 13.6 40.7

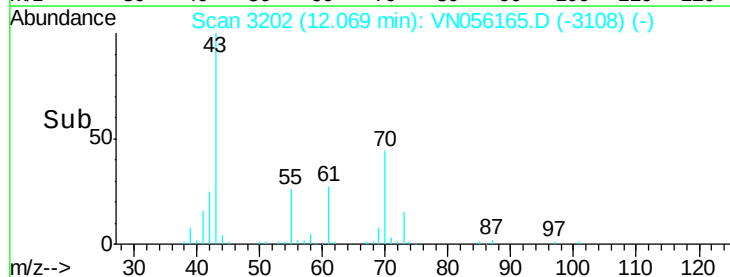
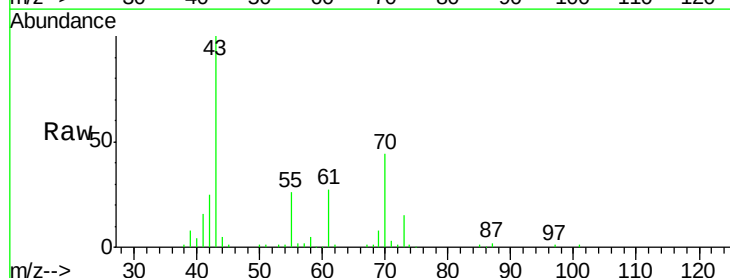
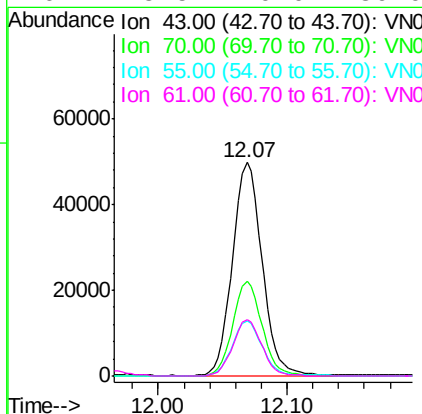
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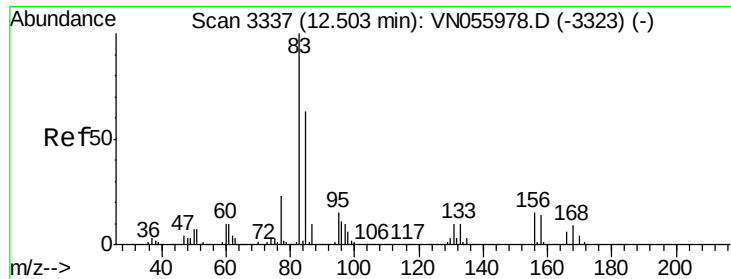
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#74
N-ethyl acetate
Concen: 20.473 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 43 Resp: 80368
Ion Ratio Lower Upper
43 100
70 43.5 34.0 51.0
55 25.8 18.6 28.0
61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.943 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

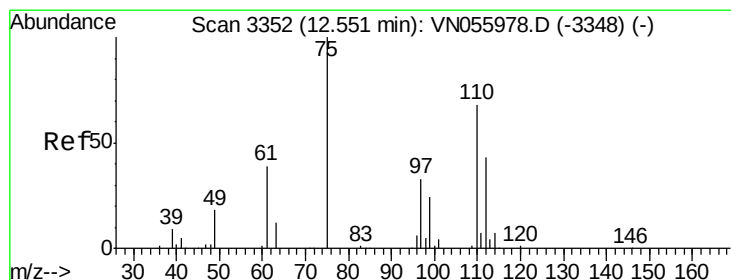
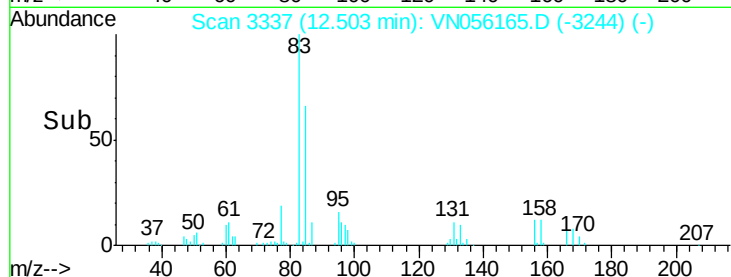
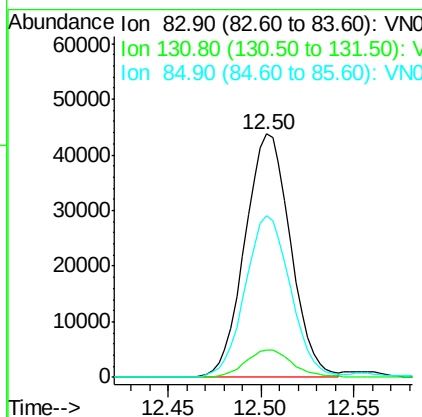
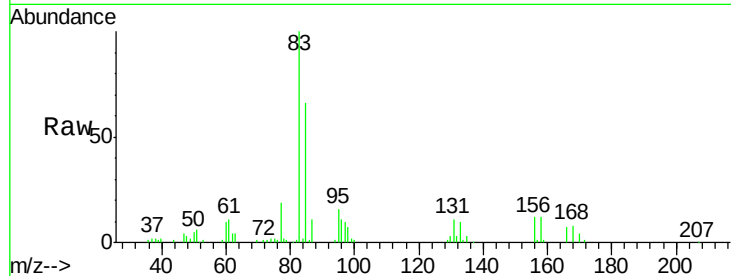
ClientSampled :

VN0610WBS01

Tot Ion:	83	Resp:	75014
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.4	16.2
85	66.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.674 ug/l m

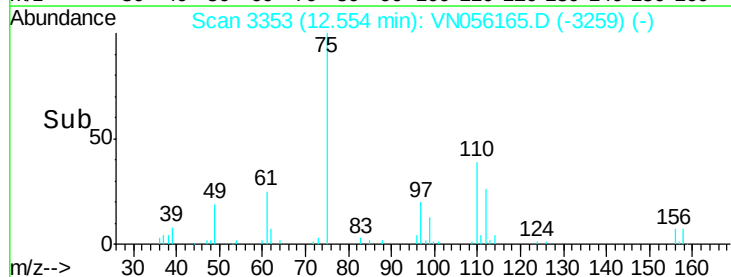
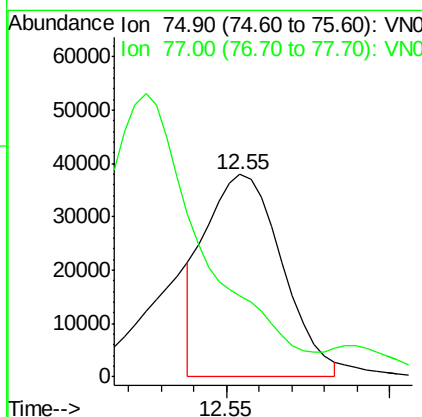
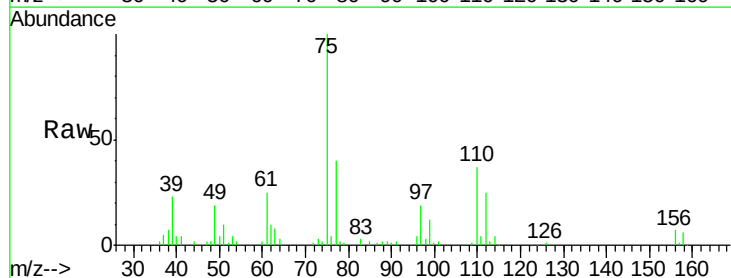
RT: 12.55 min Scan# 3353

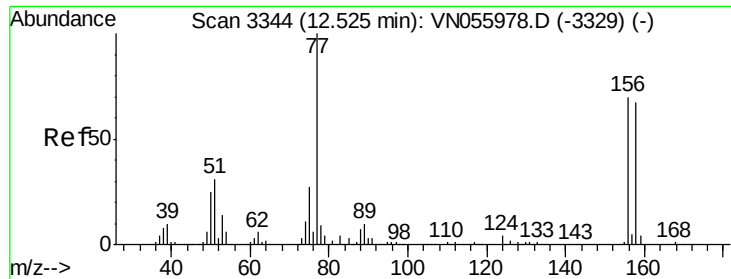
Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion:	75	Resp:	61440
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.748 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

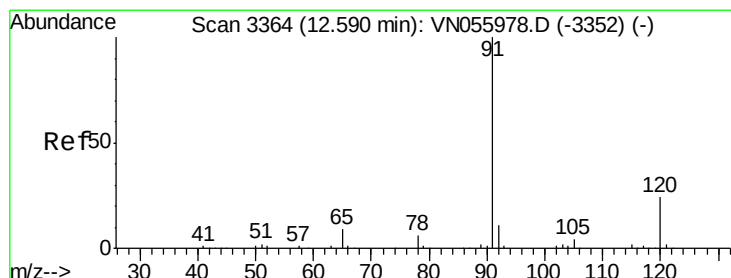
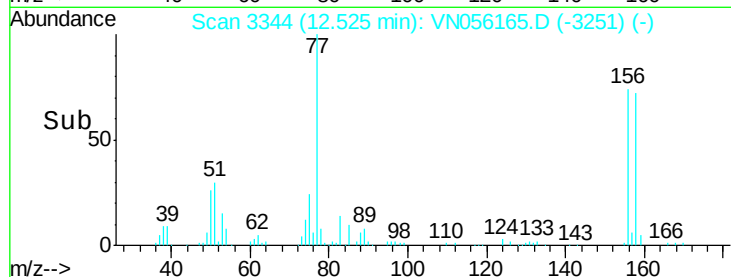
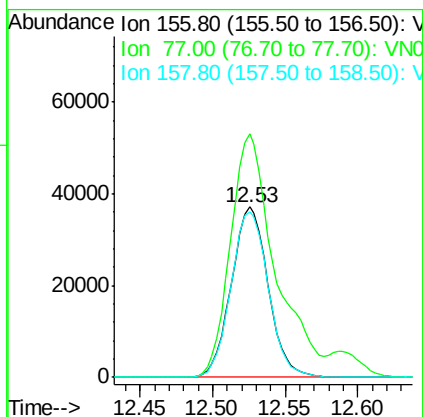
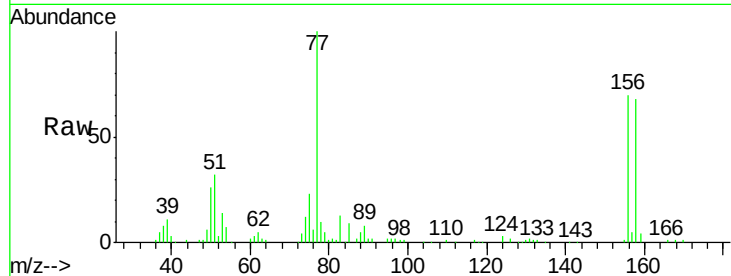
ClientSampleId :

VN0610WBS01

Tot Ion:	156	Resp:	65414
Ion Ratio	Lower	Upper	
156	100		
77	173.8	90.8	272.5
158	98.6	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.041 ug/l

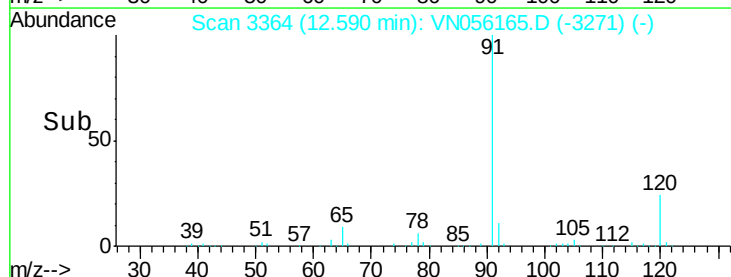
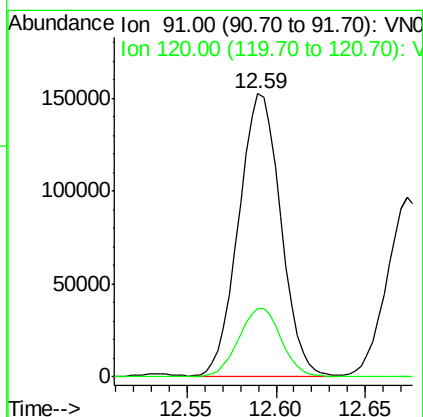
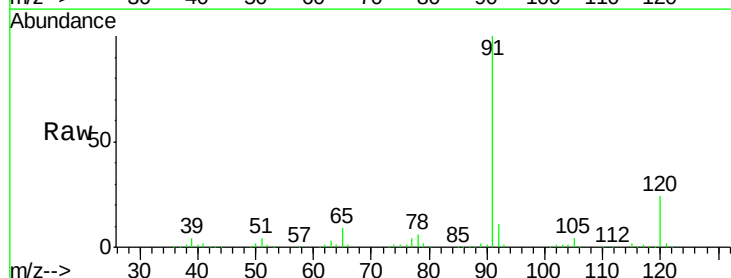
RT: 12.59 min Scan# 3364

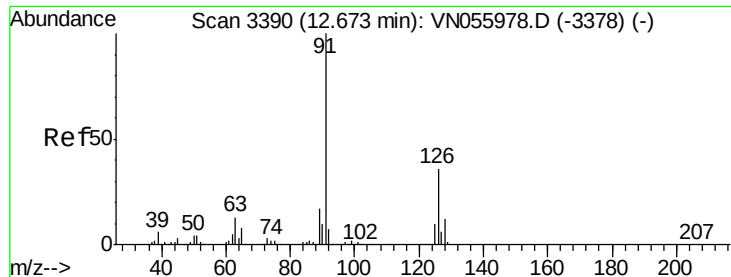
Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion:	91	Resp:	249680
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.609 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0610WBS01

Tot Ion: 91 Resp: 158433

Ion Ratio Lower Upper

91 100

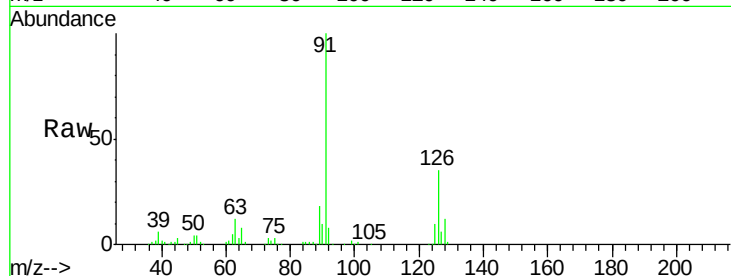
126 36.6 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

120000

100000

80000

60000

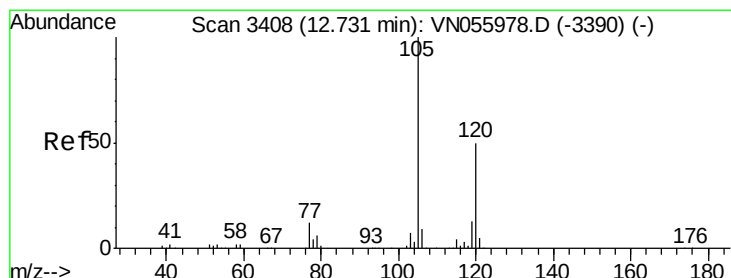
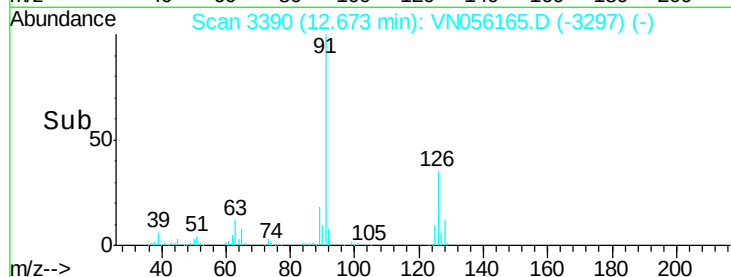
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.226 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056165.D

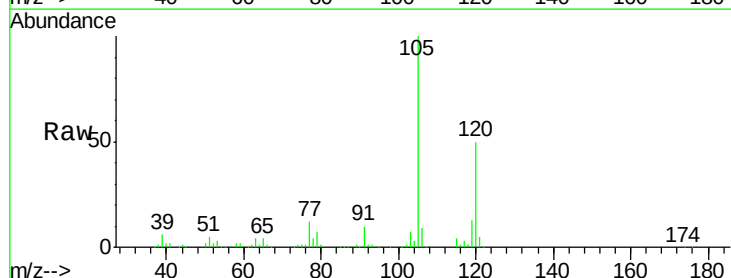
Acq: 10 Jun 2019 13:17

Tgt Ion: 105 Resp: 200264

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

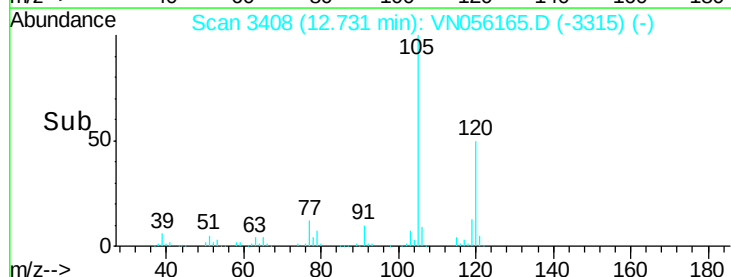
100000

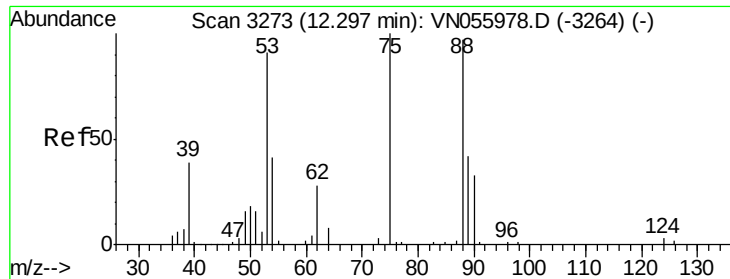
50000

0

12.65 12.70 12.75 12.80

Time-->





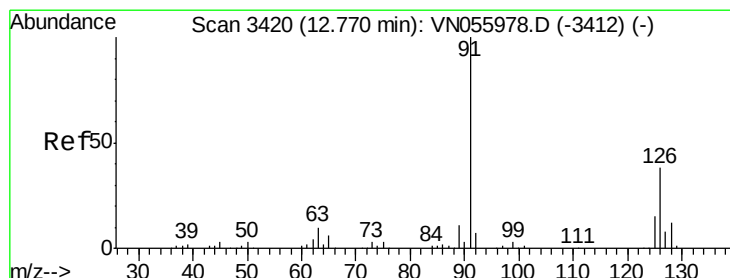
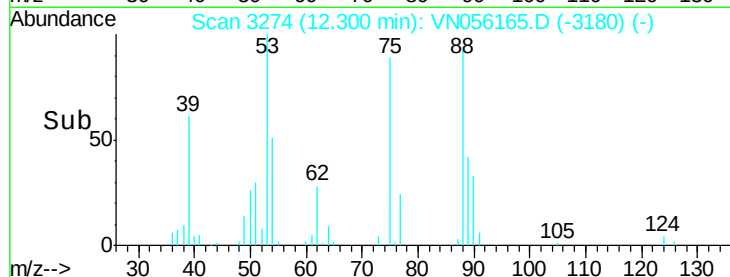
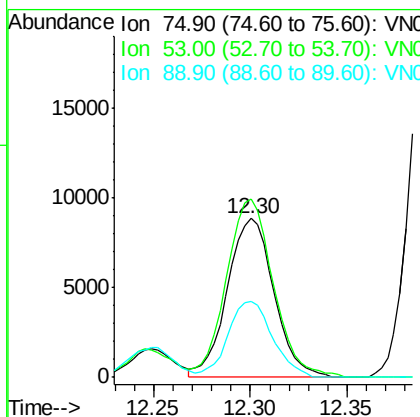
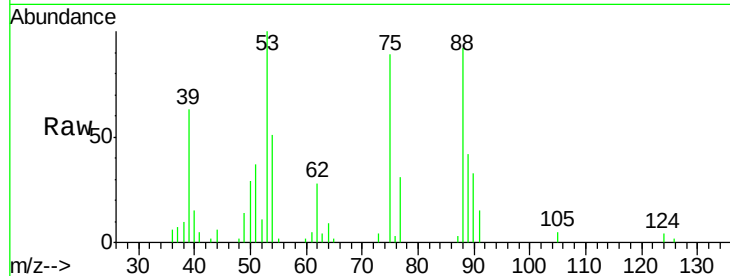
#81
trans-1,4-Dichloro-2-butene
Concen: 18.342 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

Tot Ion: 75 Resp: 14924
Ion Ratio Lower Upper
75 100
53 112.8 68.1 102.1#
89 45.6 36.9 55.3

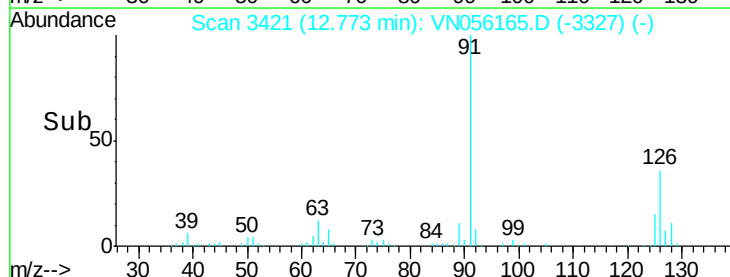
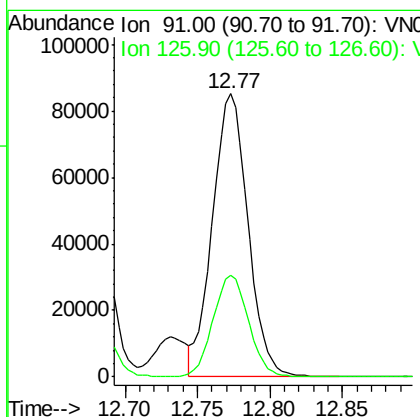
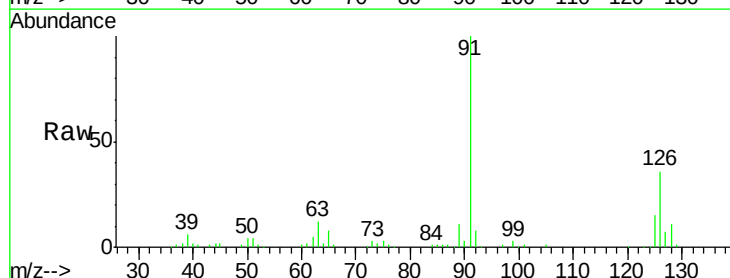
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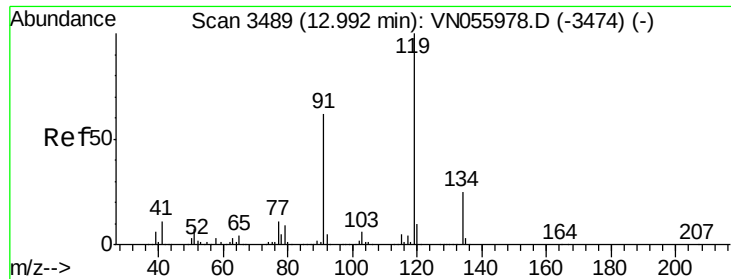
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#82
4-Chlorotoluene
Concen: 19.870 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion: 91 Resp: 144824
Ion Ratio Lower Upper
91 100
126 35.9 17.8 53.3





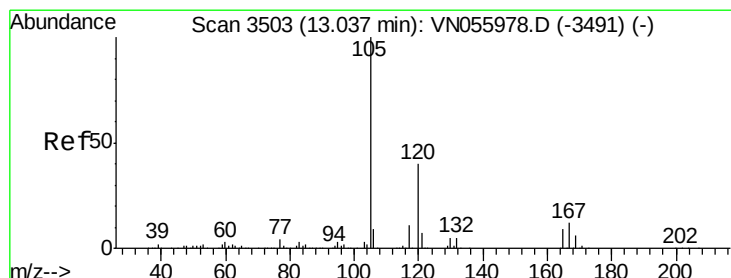
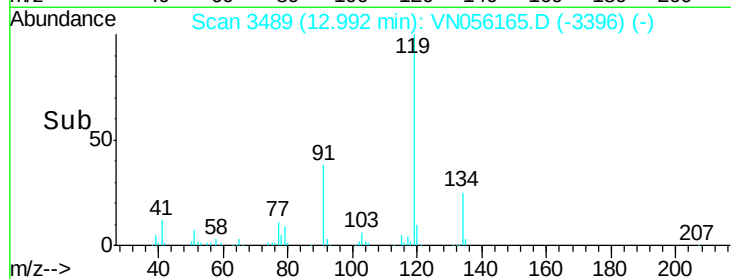
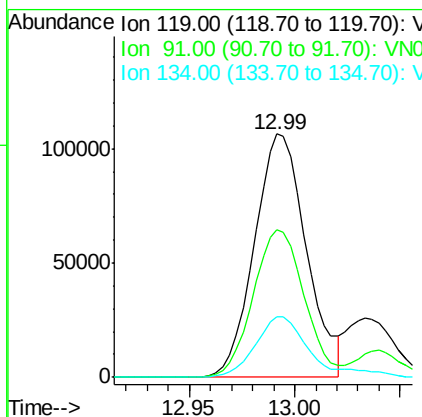
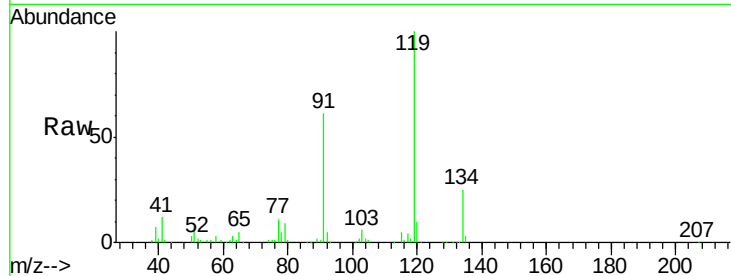
#83
tert-Butylbenzene
Concen: 22.246 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0610WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182532		
91	59.5		30.9	92.8
134	26.4		13.3	39.8

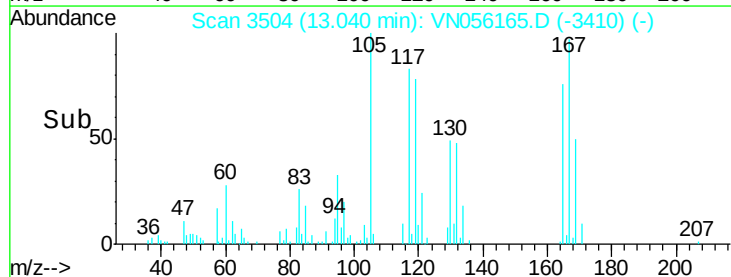
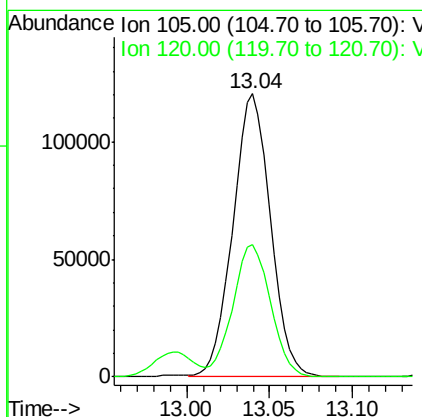
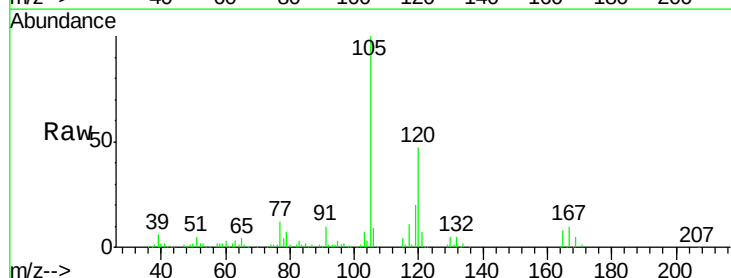
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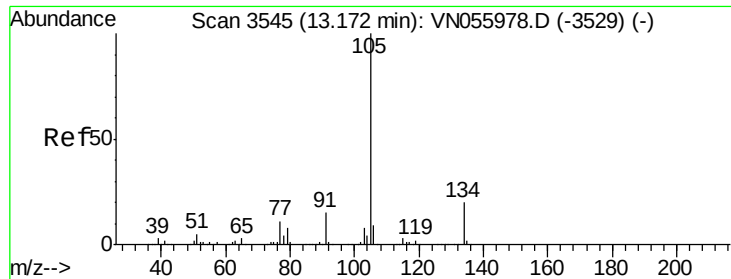
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#84
1,2,4-Trimethylbenzene
Concen: 20.281 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056165.D
Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	190424		
120	47.1		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.341 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBS01

Tot Ion:105 Resp: 224419

Ion Ratio Lower Upper

105 100

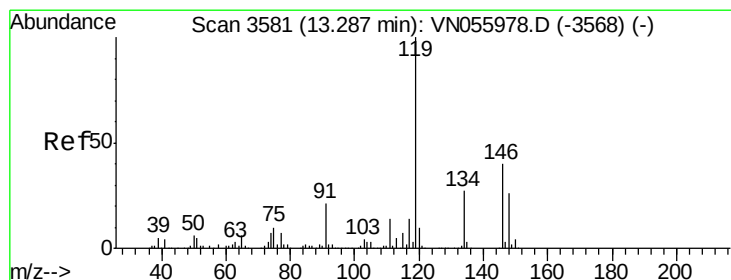
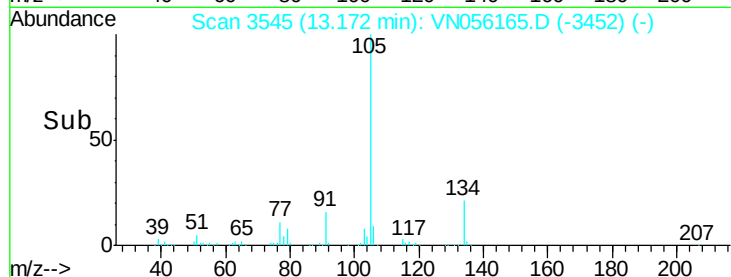
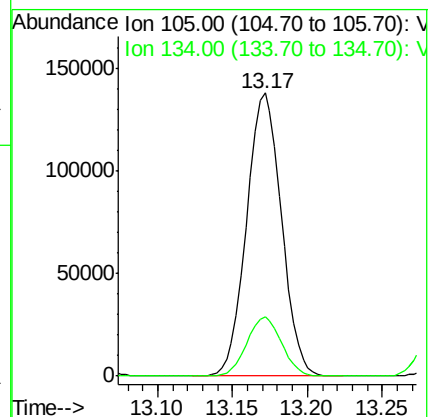
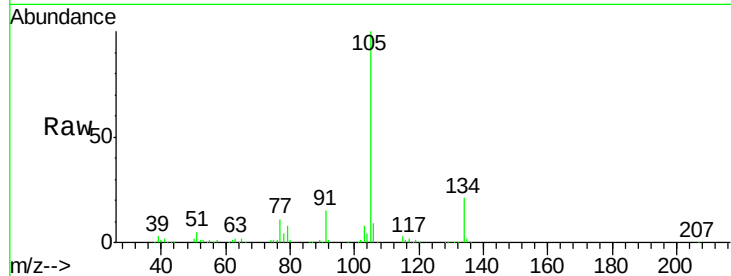
134 20.7 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.890 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

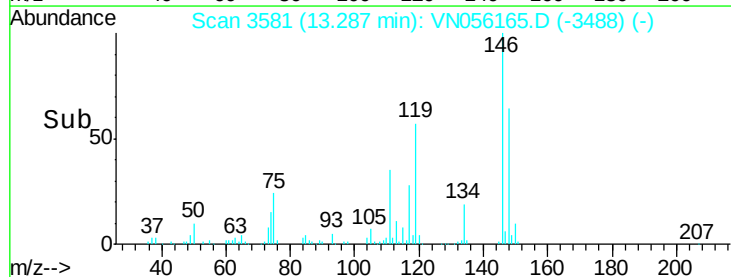
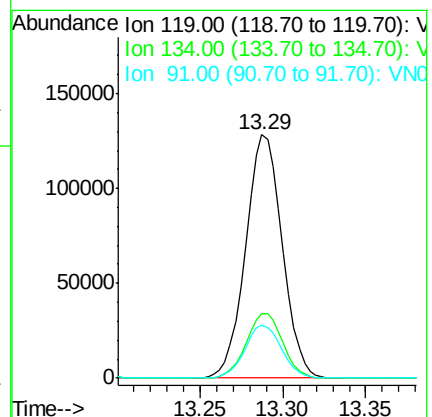
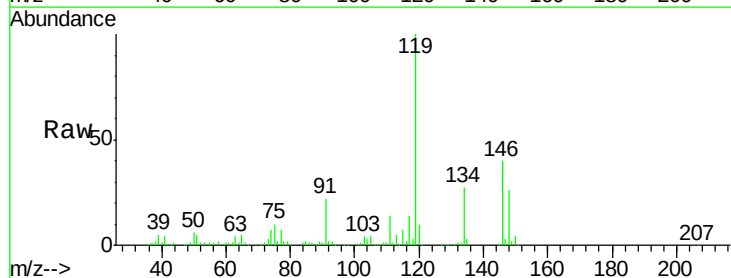
Tgt Ion:119 Resp: 196400

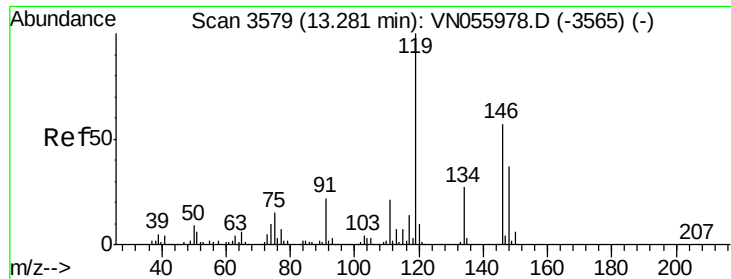
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.8 10.9 32.9





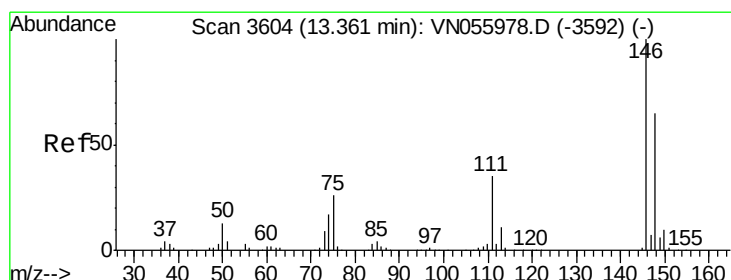
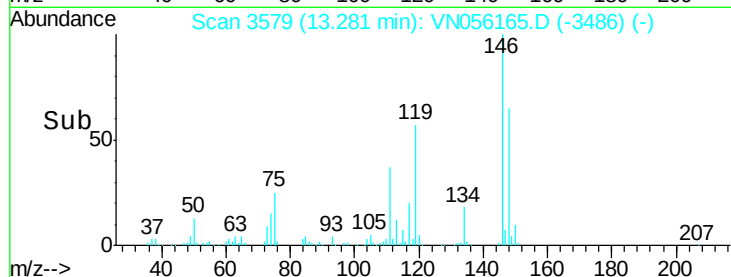
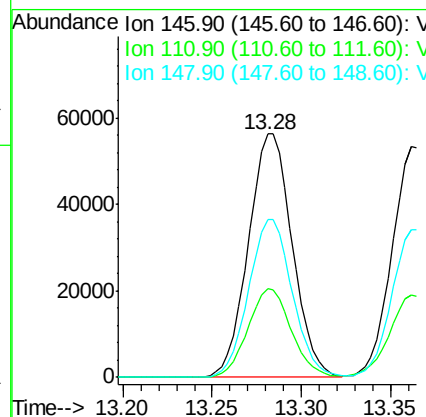
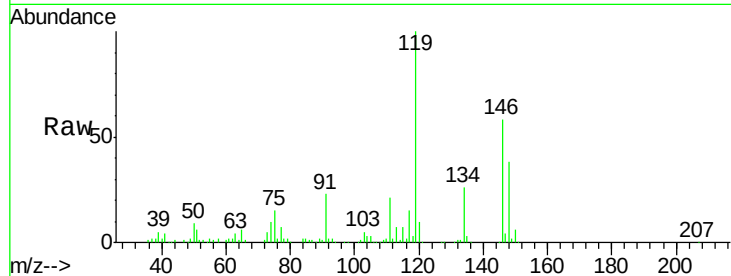
#87
 1,3-Dichlorobenzene
 Concen: 19.797 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.5	55.5
148	64.6	32.0	96.2

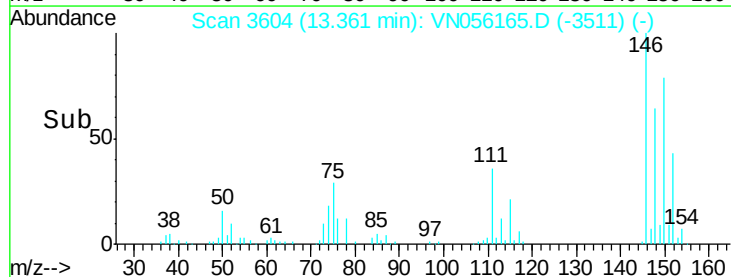
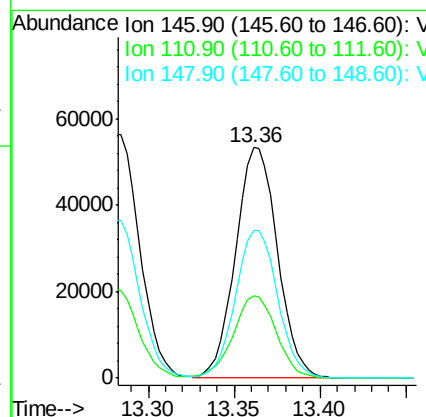
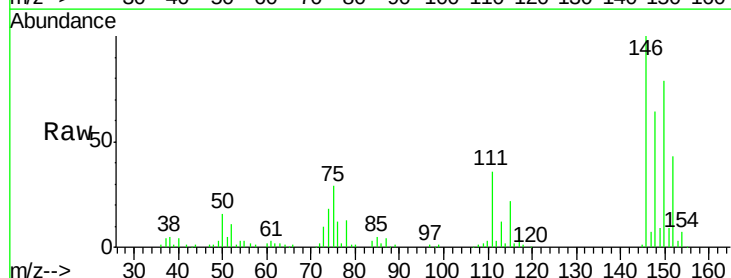
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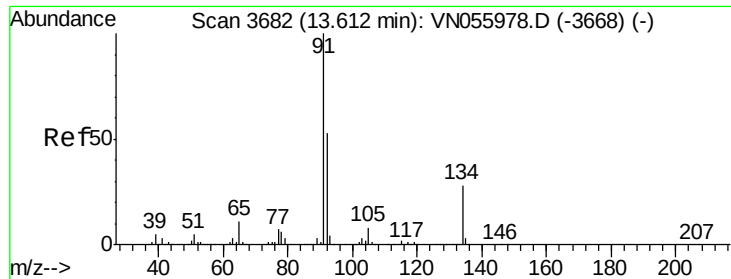
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#88
 1,4-Dichlorobenzene
 Concen: 19.310 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.6	32.1	96.5





#89

n-Butylbenzene

Concen: 17.994 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

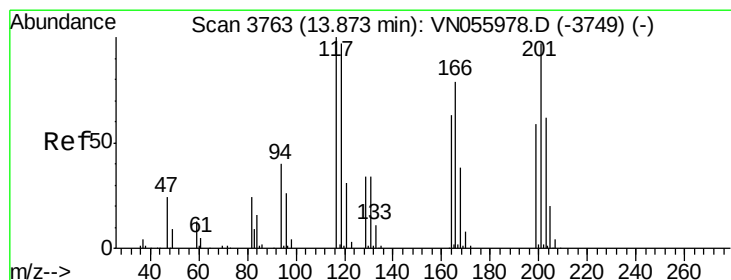
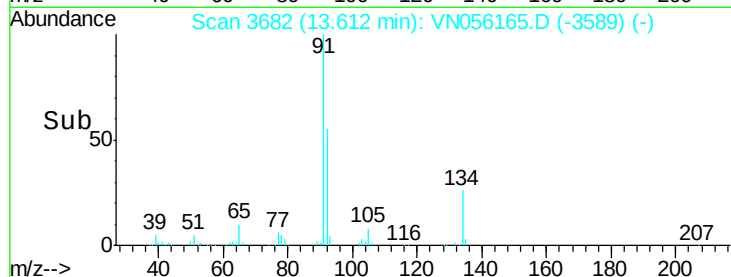
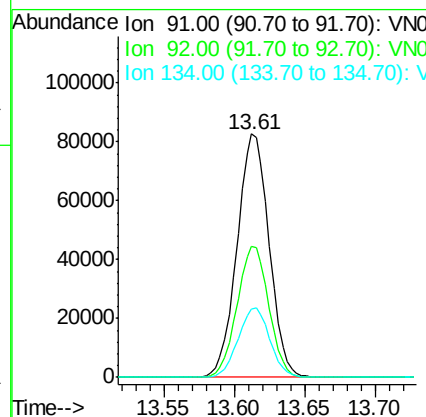
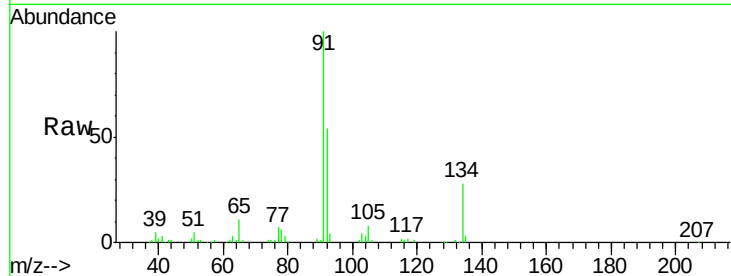
ClientSampled :

VN0610WBS01

Tot Ion:	91	Resp:	131621
Ion Ratio	Lower	Upper	
91	100		
92	53.2	26.4	79.0
134	28.3	13.9	41.7

Manual Integrations
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#90

Hexachloroethane

Concen: 21.802 ug/l

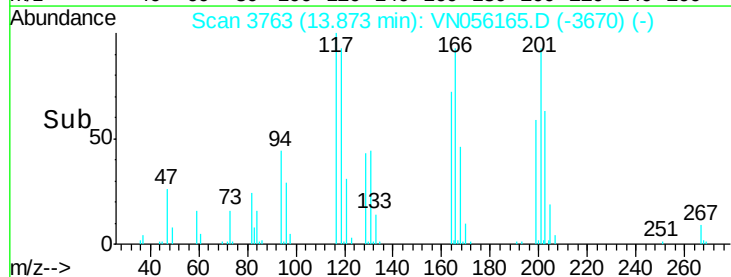
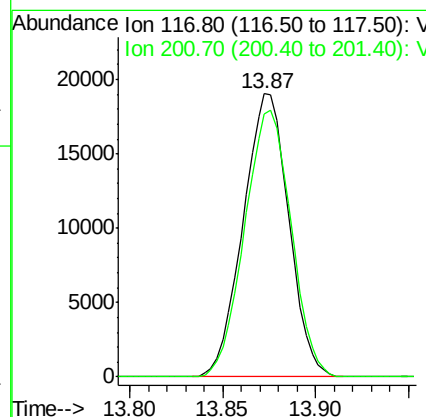
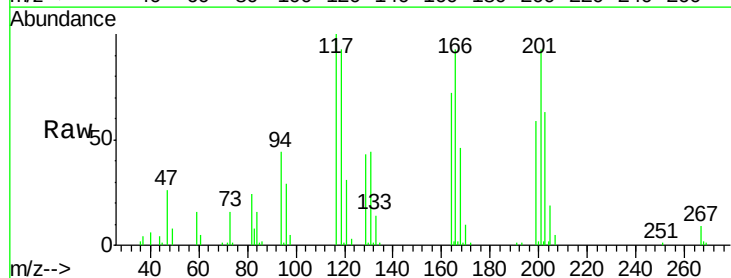
RT: 13.87 min Scan# 3763

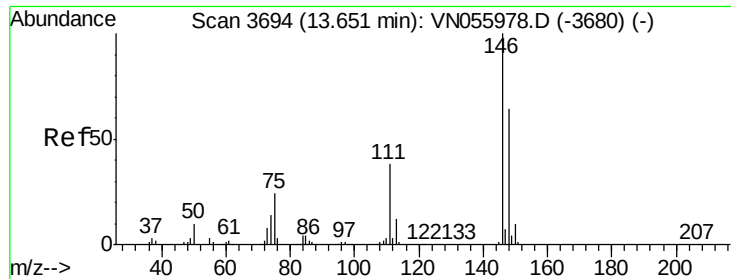
Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion:	117	Resp:	32465
Ion Ratio	Lower	Upper	
117	100		
201	95.9	50.0	150.0





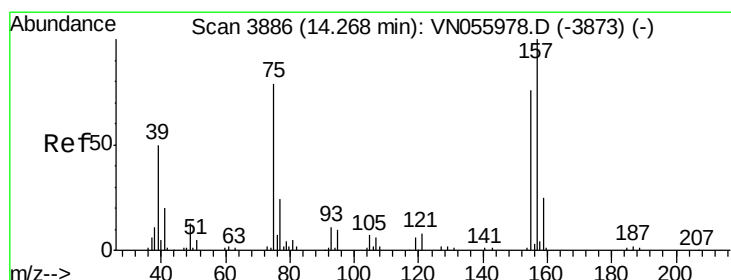
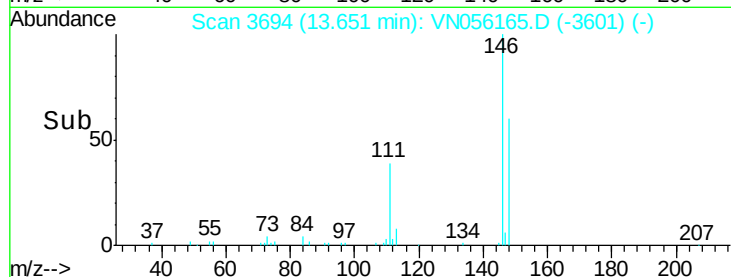
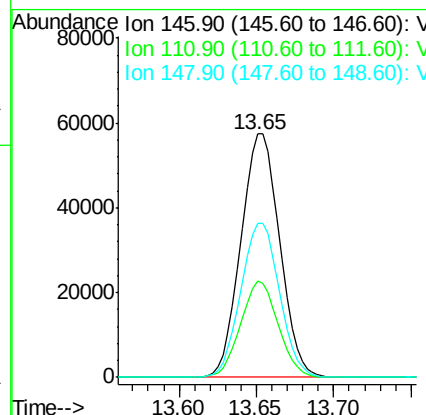
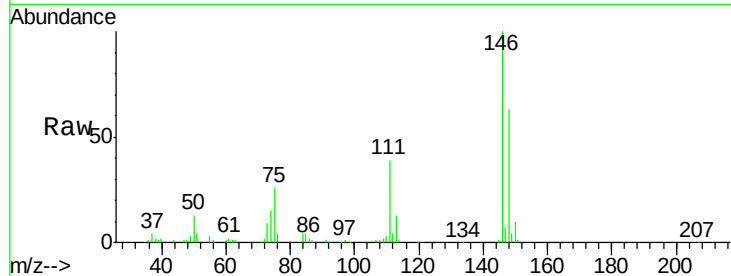
#91
 1,2-Dichlorobenzene
 Concen: 20.357 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0610WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.0	31.9	95.9

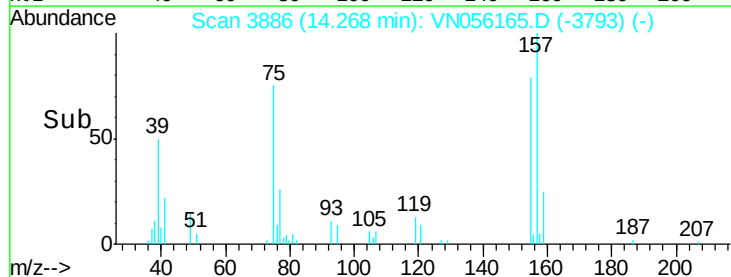
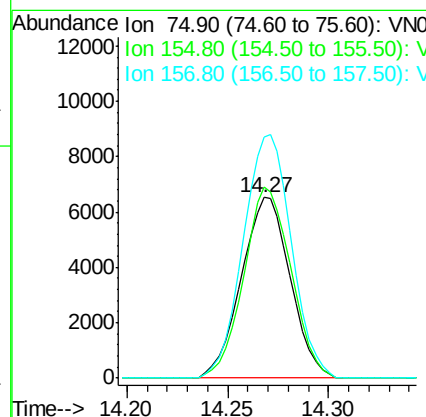
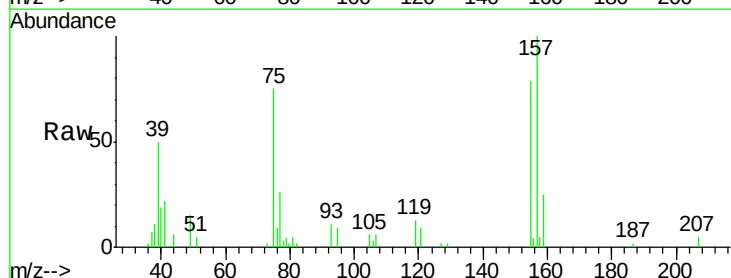
Manual Integrations
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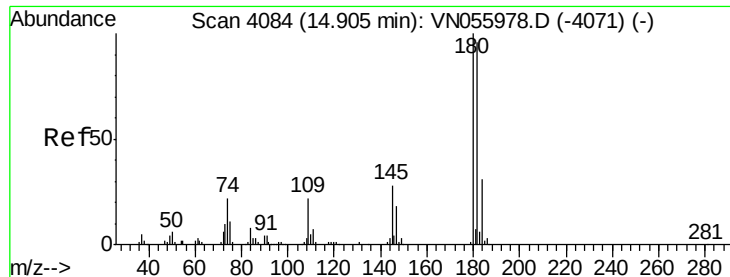
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 6/11/2019 12:08:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.627 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	50.0	150.1
157	133.0	64.8	194.3





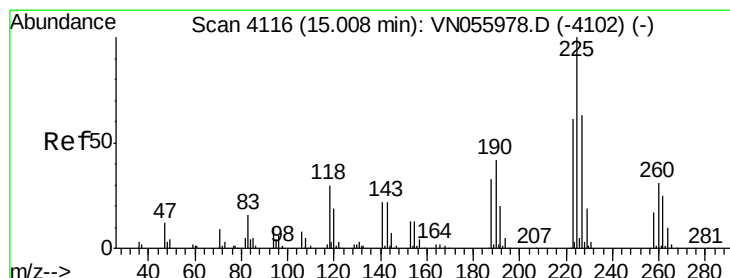
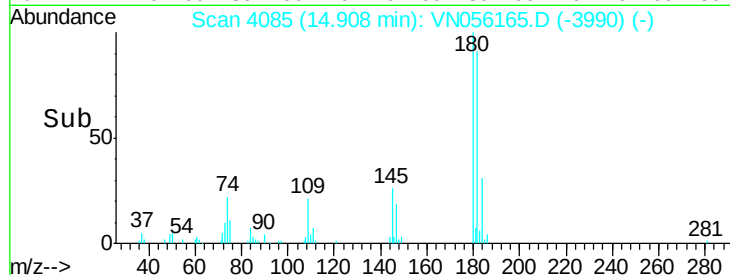
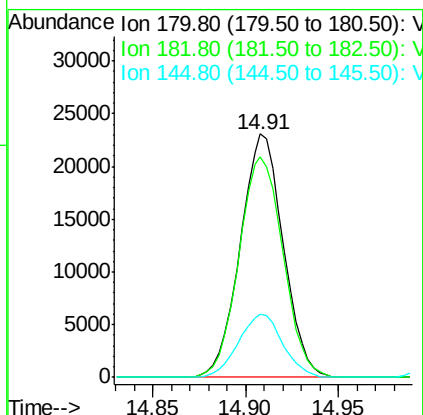
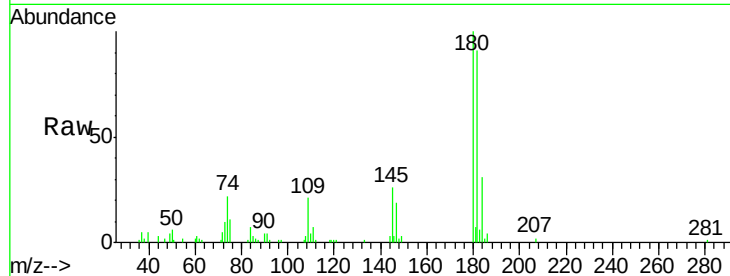
#93
 1,2,4-Trichlorobenzene
 Concen: 16.749 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.3	144.9
145	26.6	14.0	41.9

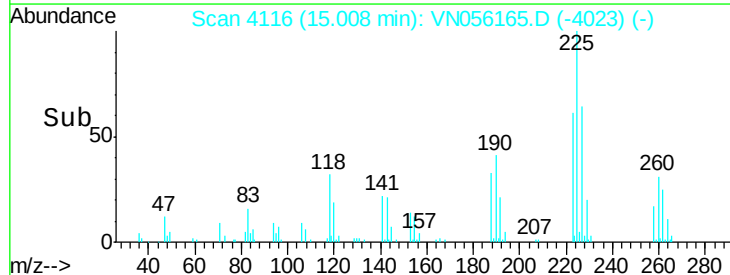
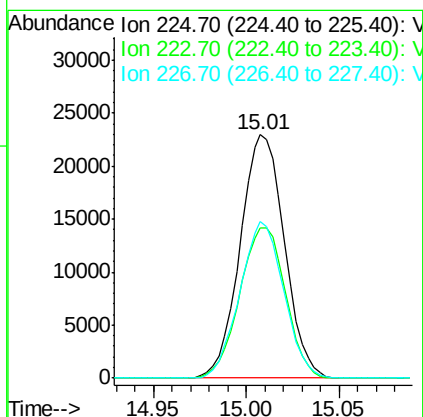
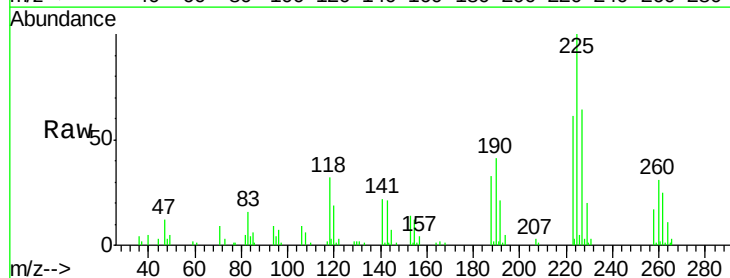
Manual Integrations
 APPROVED

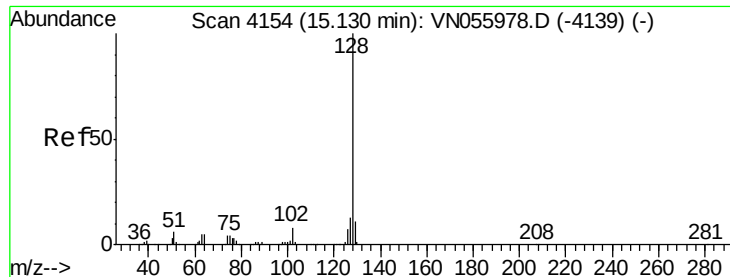
MMDadoda
 6/11/2019 12:08:18 PM



#94
 Hexachlorobutadiene
 Concen: 21.200 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056165.D
 Acq: 10 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.9	92.7
227	64.0	31.6	94.7





#95

Naphthalene

Concen: 16.957 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Instrument :

MSVOA_N

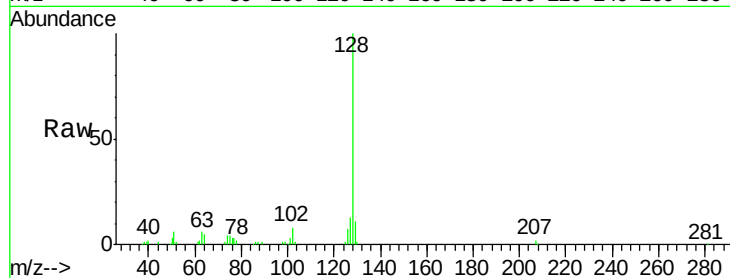
ClientSampled :

VN0610WBS01

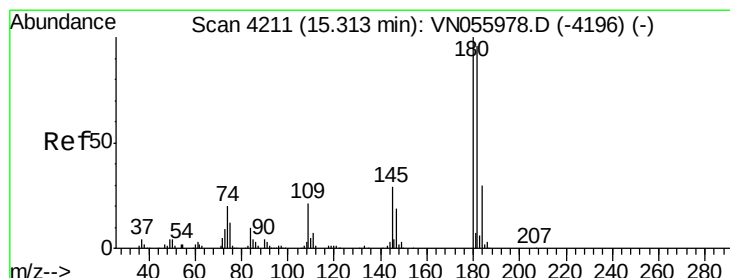
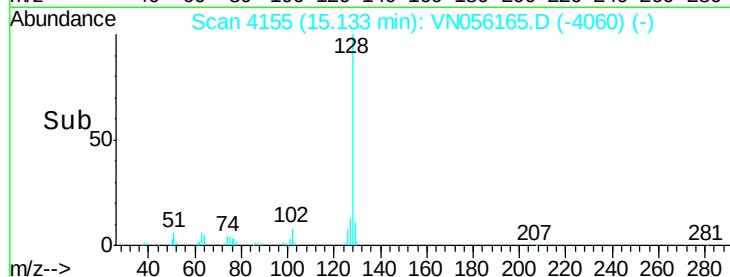
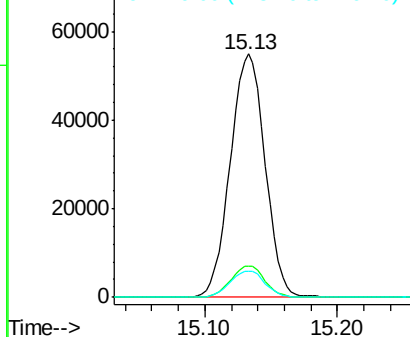
Tot Ion:	128	Resp:	100016
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/11/2019 12:08:18 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.137 ug/l

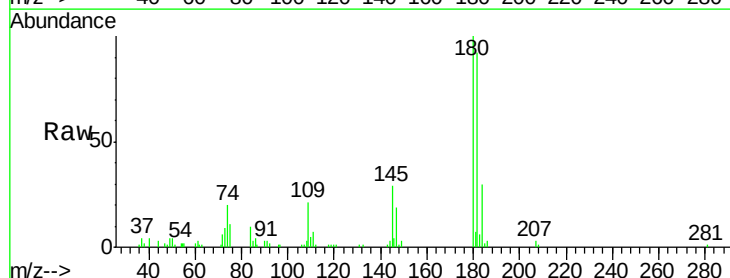
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056165.D

Acq: 10 Jun 2019 13:17

Tgt Ion:	180	Resp:	44493
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.9	143.7
145	29.3	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

