

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056756.D
 Acq On : 16 Jul 2019 10:20
 Operator : JC/SP
 Sample : VN0716WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Manual Integrations
 APPROVED

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 7/17/2019 4:57:21 PM

Quant Time: Jul 17 01:36:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	343888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	468816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203088	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	191479	50.34	ug/l	0.00
Spiked Amount						
			Recovery	=	100.68%	
35) Dibromofluoromethane	7.59	113	165224	50.08	ug/l	0.00
Spiked Amount						
			Recovery	=	100.16%	
50) Toluene-d8	10.09	98	643888	50.53	ug/l	0.00
Spiked Amount						
			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	214094	49.82	ug/l	0.00
Spiked Amount						
			Recovery	=	99.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	60310	18.677	ug/l	98
3) Chloromethane	2.06	50	79620	18.340	ug/l	99
4) Vinyl Chloride	2.18	62	78700	18.825	ug/l	96
5) Bromomethane	2.55	94	50352	20.481	ug/l	98
6) Chloroethane	2.70	64	45473	18.666	ug/l	98
7) Trichlorofluoromethane	3.01	101	99875	18.618	ug/l	99
8) Diethyl Ether	3.41	74	40934	19.572	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	62977	19.540	ug/l	100
10) Methyl Iodide	3.95	142	74310	17.238	ug/l	99
11) Tert butyl alcohol	4.79	59	63244	99.887	ug/l	99
12) 1,1-Dichloroethene	3.73	96	61219	18.937	ug/l	100
13) Acrolein	3.61	56	24100	117.357	ug/l	95
14) Allyl chloride	4.32	41	105425	18.857	ug/l	98
15) Acrylonitrile	4.99	53	179527	98.185	ug/l	99
16) Acetone	3.82	43	178855	102.033	ug/l	98
17) Carbon Disulfide	4.05	76	155910	18.251	ug/l	100
18) Methyl Acetate	4.33	43	81944	20.235	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	196919	19.118	ug/l	99
20) Methylene Chloride	4.55	84	73099	19.082	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	66814	19.552	ug/l	98
22) Diisopropyl ether	5.95	45	216091	19.582	ug/l	95
23) Vinyl Acetate	5.90	43	896052	100.204	ug/l	100
24) 1,1-Dichloroethane	5.85	63	126110	19.711	ug/l	99
25) 2-Butanone	6.84	43	255101	99.541	ug/l	98
26) 2,2-Dichloropropane	6.82	77	90916	19.708	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	77112	19.611	ug/l	99
28) Bromochloromethane	7.19	49	60135	19.991	ug/l	99
29) Tetrahydrofuran	7.21	42	163414	97.764	ug/l	97
30) Chloroform	7.37	83	123240	19.249	ug/l	98
31) Cyclohexane	7.65	56	121005	19.899	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	99134	19.579	ug/l	98
36) 1,1-Dichloropropene	7.79	75	92718	18.900	ug/l	99
37) Ethyl Acetate	6.93	43	95609	19.775	ug/l	98
38) Carbon Tetrachloride	7.77	117	85056	18.489	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	114122	18.841	ug/l	98
40) Benzene	8.04	78	290996	19.360	ug/l	100
41) Methacrylonitrile	7.17	41	46275	21.789	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	93180	19.615	ug/l	99
43) Isopropyl Acetate	8.17	43	154055	20.268	ug/l	99
44) Trichloroethene	8.84	130	78729	19.288	ug/l	98
45) 1,2-Dichloropropane	9.12	63	78193	19.578	ug/l	96
46) Dibromomethane	9.21	93	48489	19.591	ug/l	99
47) Bromodichloromethane	9.40	83	90536	19.249	ug/l	98
48) Methyl methacrylate	9.20	41	73987	20.128	ug/l	99
49) 1,4-Dioxane	9.20	88	30677	406.719	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	480408	97.584	ug/l	99
52) Toluene	10.16	92	176576	19.781	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	96217	19.608	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	111292	19.545	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	72200	19.284	ug/l	99
56) Ethyl methacrylate	10.43	69	107385	19.933	ug/l	99
57) 1,3-Dichloropropane	10.71	76	122079	19.964	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	252286	97.386	ug/l	100
59) 2-Hexanone	10.75	43	354112	100.246	ug/l	100
60) Dibromochloromethane	10.90	129	72271	19.627	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74300	19.968	ug/l	98
64) Tetrachloroethene	10.63	164	78956	19.521	ug/l	99
65) Chlorobenzene	11.43	112	187735	19.584	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	68765	19.483	ug/l	98
67) Ethyl Benzene	11.51	91	328539	19.502	ug/l	99
68) m/p-Xylenes	11.62	106	245813	39.043	ug/l	97
69) o-Xylene	11.95	106	120955	19.541	ug/l	100
70) Styrene	11.96	104	200478	20.034	ug/l	99
71) Bromoform	12.13	173	51531	19.189	ug/l #	98
73) Isopropylbenzene	12.25	105	316445	19.325	ug/l	100
74) N-amyl acetate	12.07	43	116526	19.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102913	20.559	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	90833m	20.449	ug/l	
77) Bromobenzene	12.53	156	85464	19.954	ug/l	96
78) n-propylbenzene	12.59	91	350623	19.287	ug/l	100
79) 2-Chlorotoluene	12.67	91	212637	20.188	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	269720	19.434	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28273	19.658	ug/l	97
82) 4-Chlorotoluene	12.77	91	207577	19.457	ug/l	99
83) tert-Butylbenzene	12.99	119	227429	20.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	268339	19.791	ug/l	99
85) sec-Butylbenzene	13.17	105	302643	19.625	ug/l	100
86) p-Isopropyltoluene	13.29	119	272566	19.510	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	133830	19.066	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	129629	18.986	ug/l	98
89) n-Butylbenzene	13.61	91	216264	19.218	ug/l	99
90) Hexachloroethane	13.87	117	40212	17.799	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	135751	18.910	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16991	19.350	ug/l	98

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ClientSampleId :
VN0716WBS01

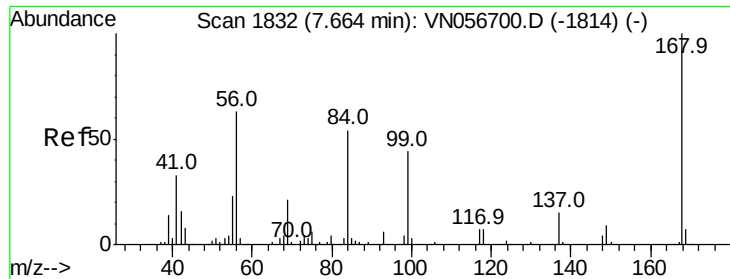
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	63272	18.467	ug/l	99
94) Hexachlorobutadiene	15.01	225	48815	20.891	ug/l	98
95) Naphthalene	15.13	128	154163	17.411	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	65666	18.891	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion:168 Resp: 343888

Ion Ratio Lower Upper

168 100

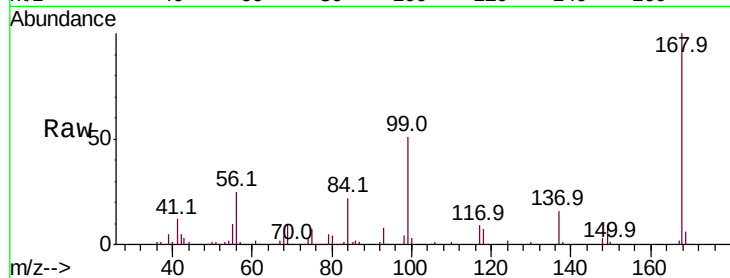
99 50.8 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

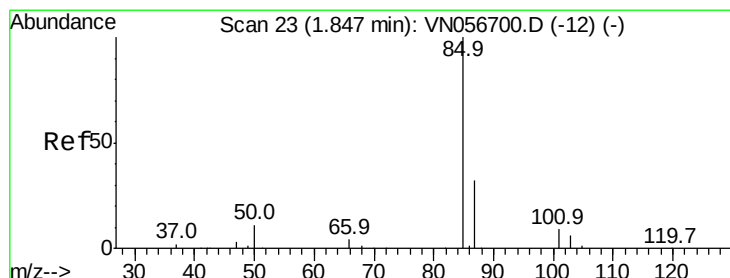
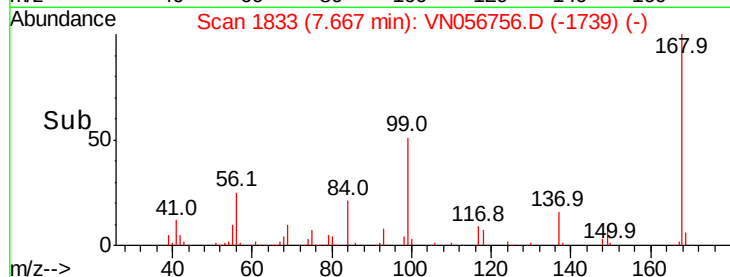
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50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.677 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056756.D

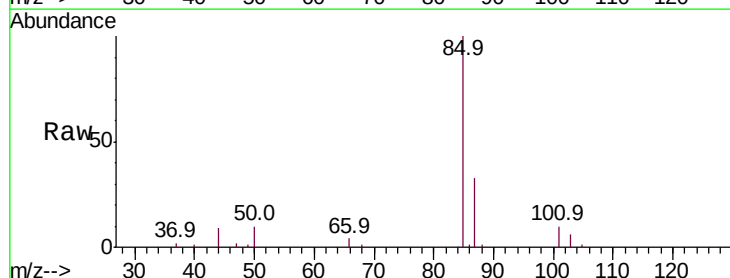
Acq: 16 Jul 2019 10:20

Tgt Ion: 85 Resp: 60310

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

40000

30000

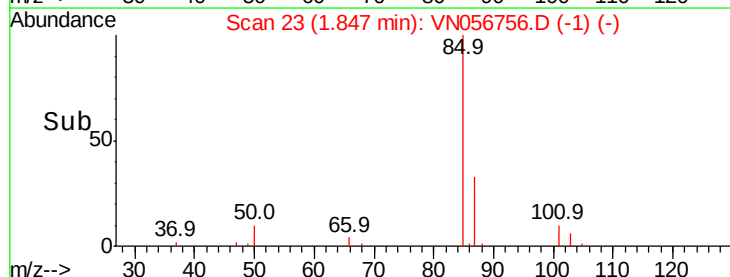
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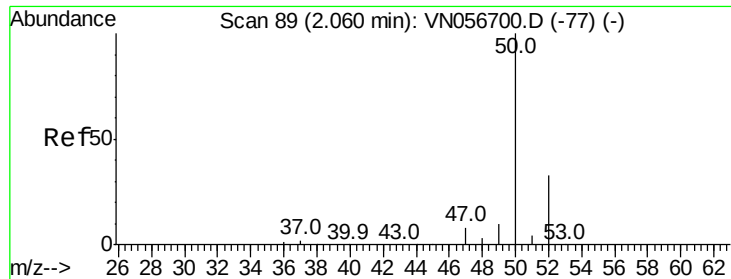
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1.80 1.85 1.90 1.95

Time-->





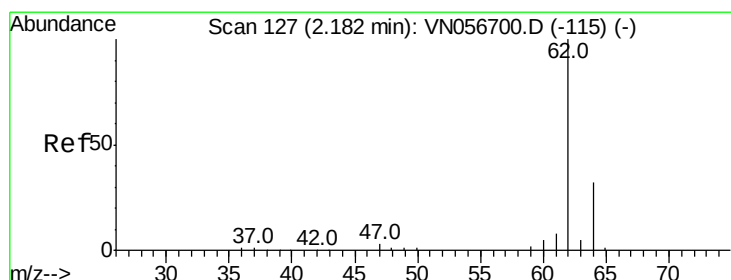
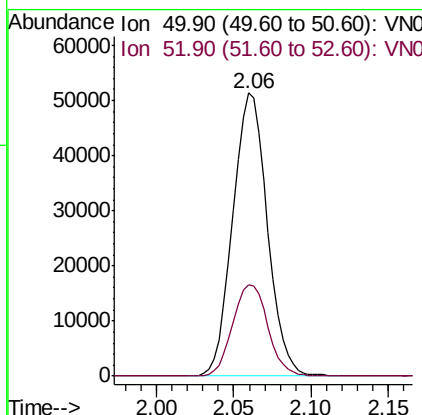
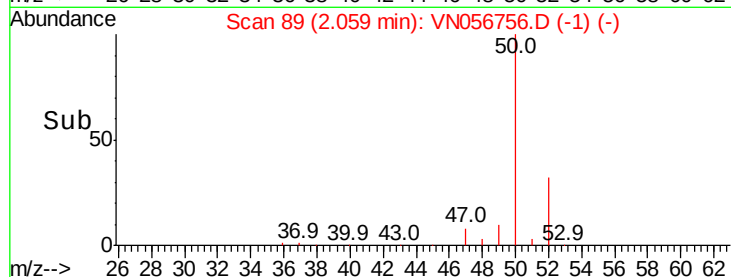
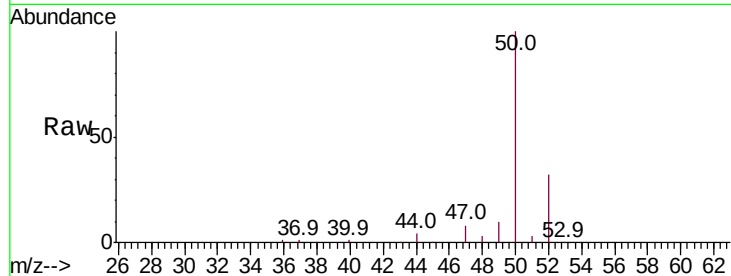
#3
Chloromethane
Concen: 18.340 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion: 50 Resp: 79620
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7

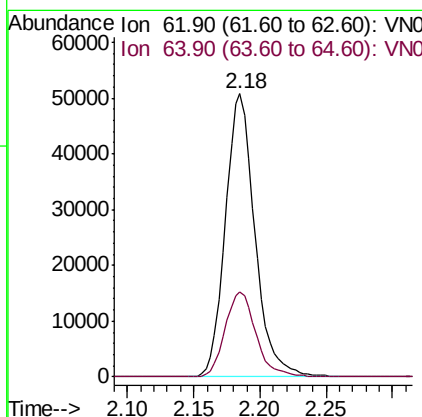
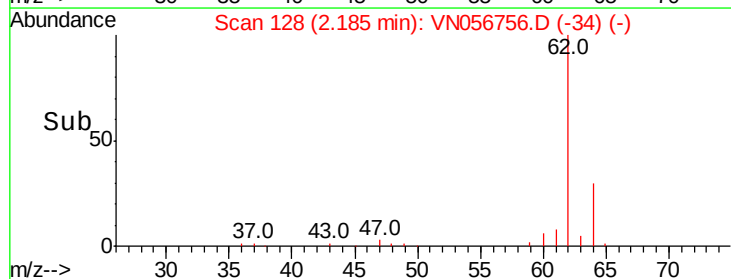
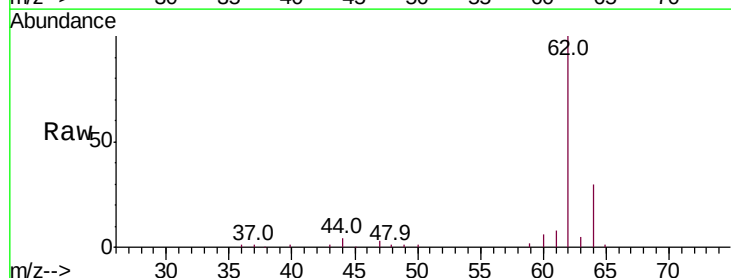
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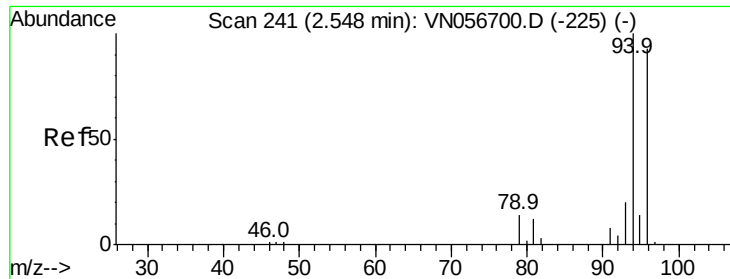
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#4
Vinyl Chloride
Concen: 18.825 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion: 62 Resp: 78700
Ion Ratio Lower Upper
62 100
64 29.9 25.6 38.4





#5

Bromomethane

Concen: 20.481 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 94 Resp: 50352

Ion Ratio Lower Upper

94 100

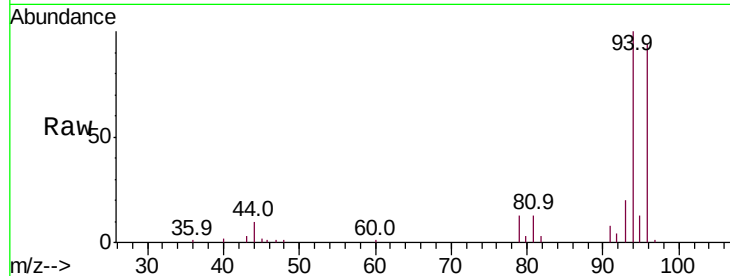
96 94.3 74.0 111.0

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

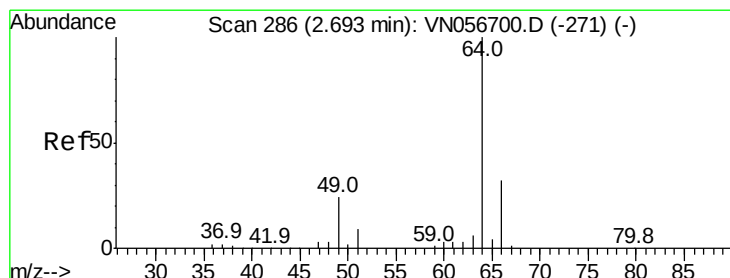
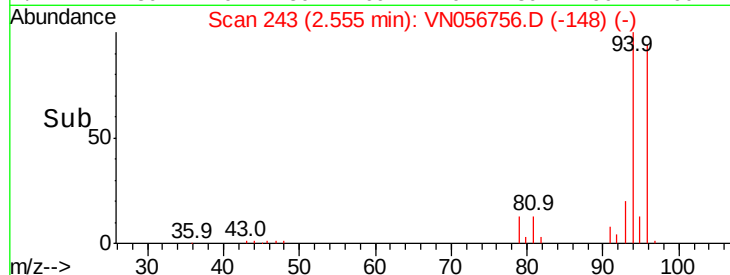
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5000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 18.666 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056756.D

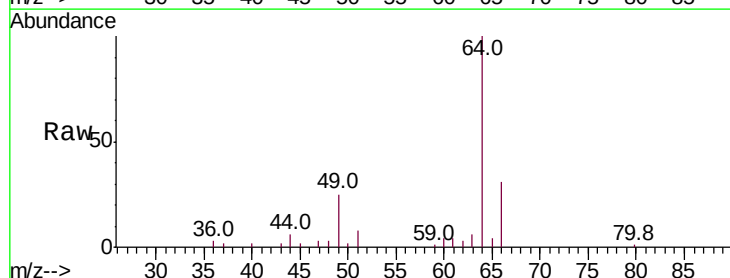
Acq: 16 Jul 2019 10:20

Tgt Ion: 64 Resp: 45473

Ion Ratio Lower Upper

64 100

66 31.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

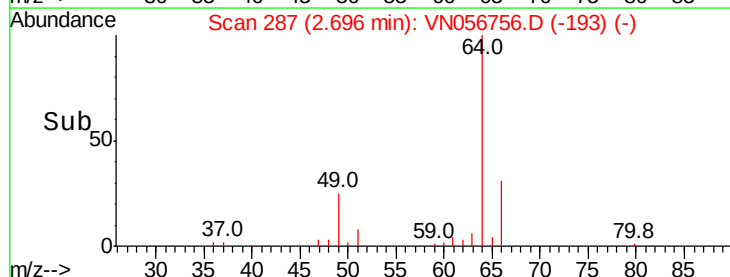
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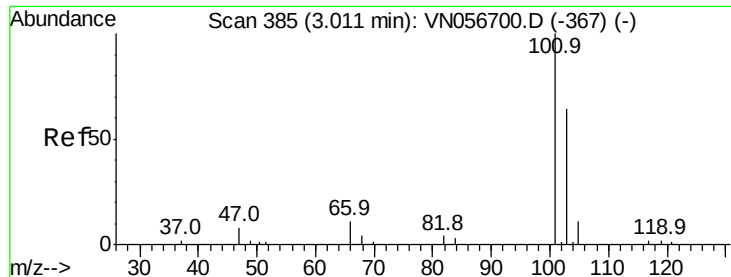
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

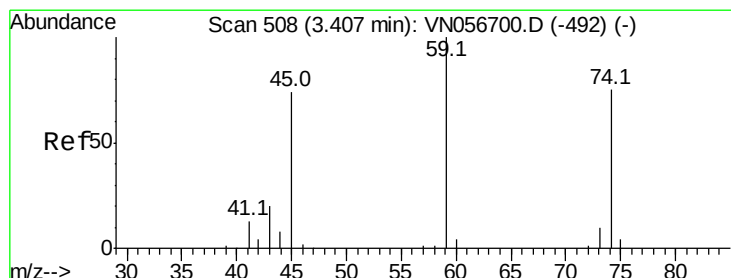
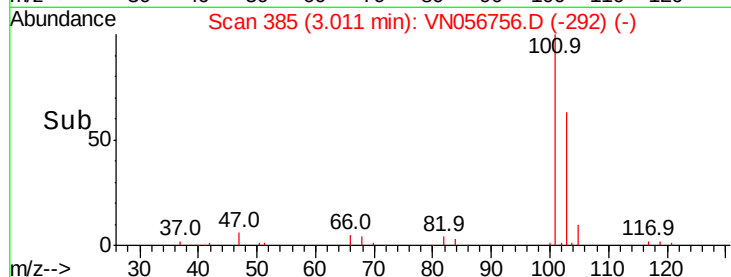
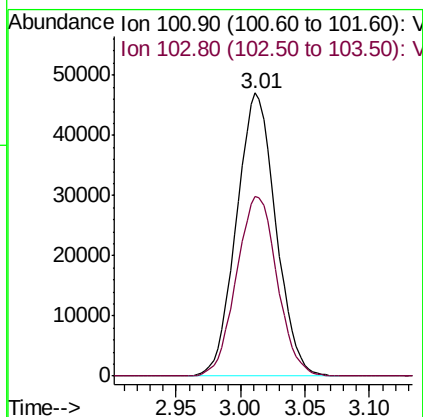
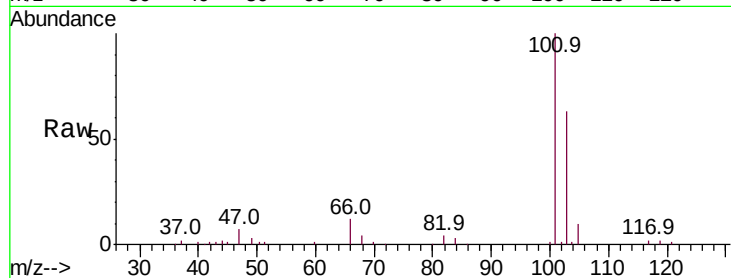
Trichlorofluoromethane
 Concen: 18.618 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

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 VN0716WBS01

Tot Ion:101 Resp: 99875
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.5 77.3

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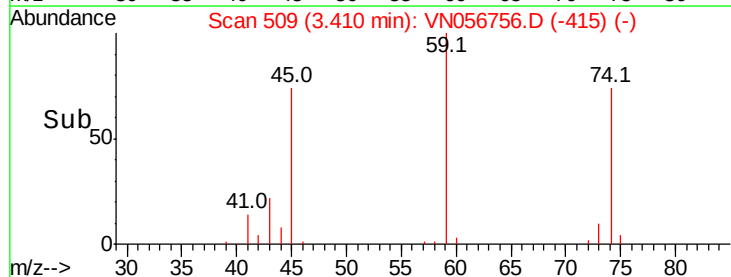
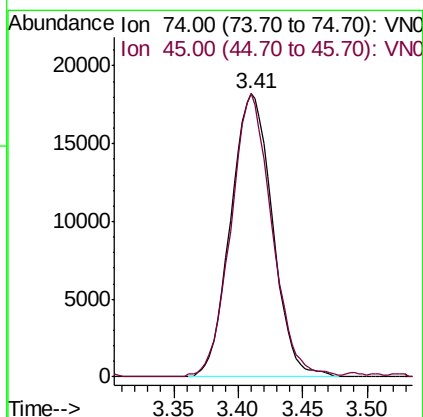
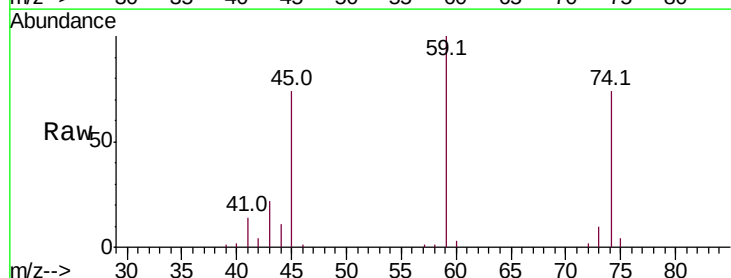
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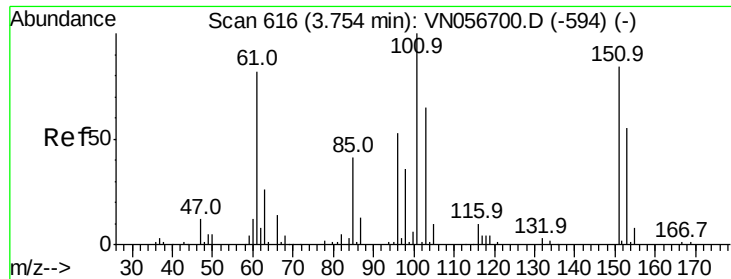


#8

Diethyl Ether
 Concen: 19.572 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion: 74 Resp: 40934
 Ion Ratio Lower Upper
 74 100
 45 98.2 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.540 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

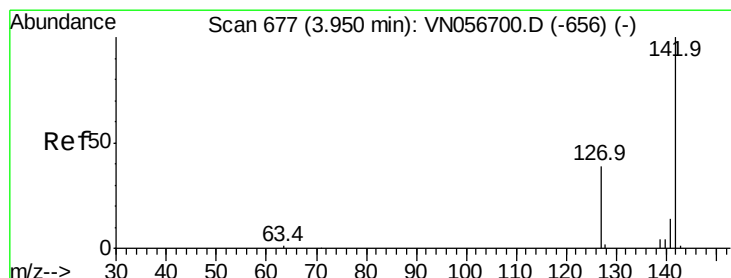
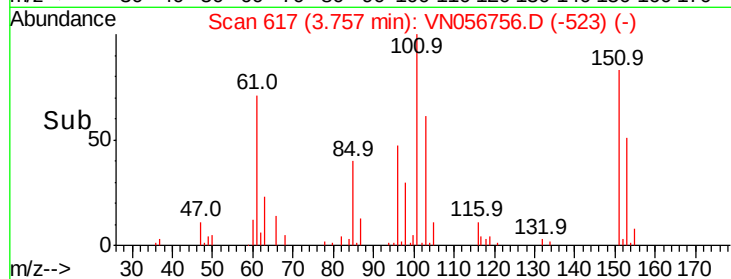
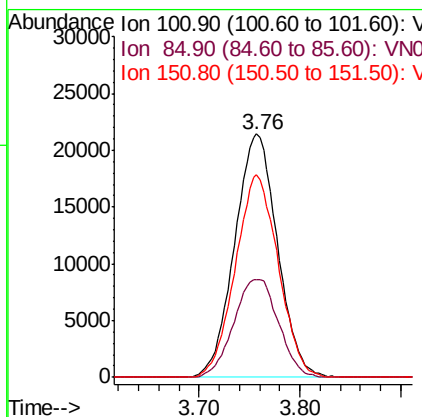
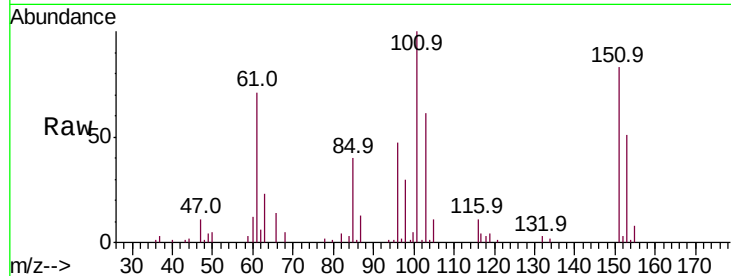
ClientSampleId :

VN0716WBS01

Tot Ion:	101	Resp:	62977
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.3	49.9
151	83.5	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 17.238 ug/l

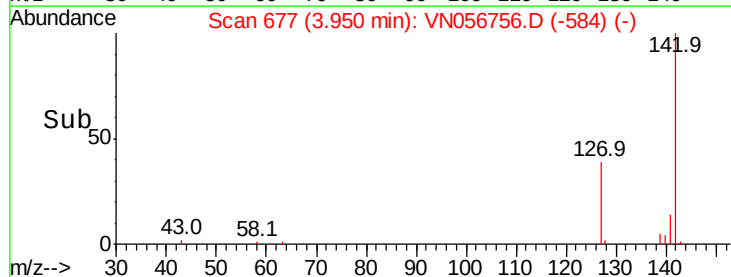
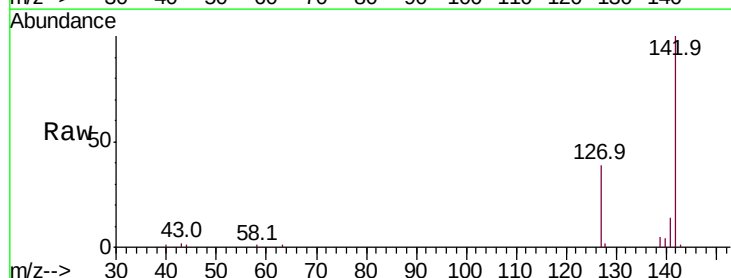
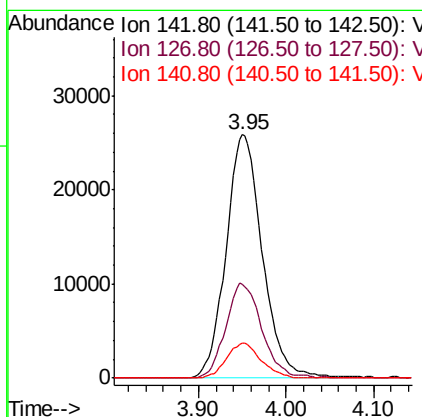
RT: 3.95 min Scan# 677

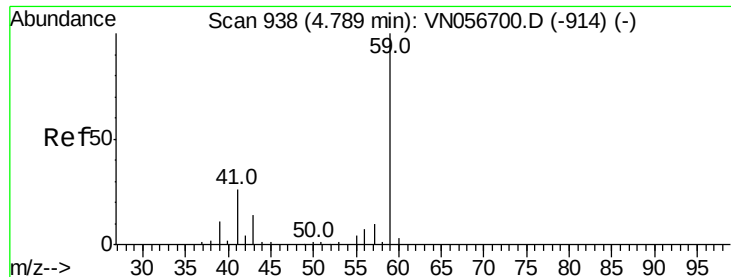
Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion:	142	Resp:	74310
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.7	46.1
141	13.7	11.3	16.9





#11

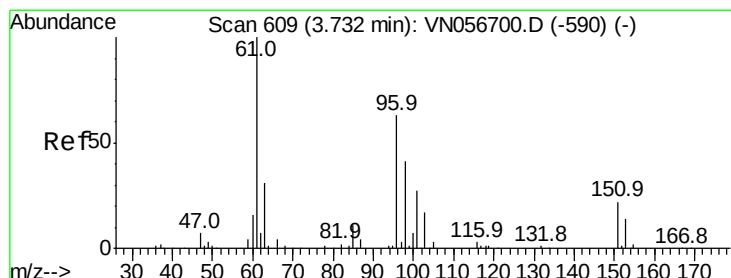
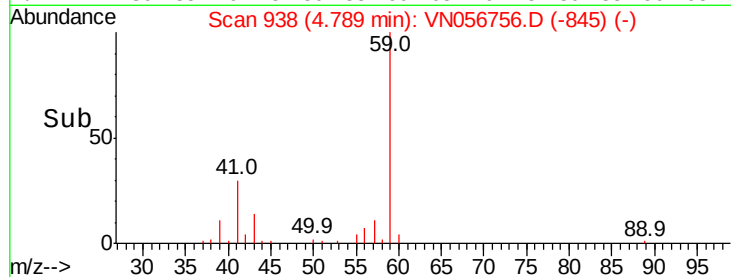
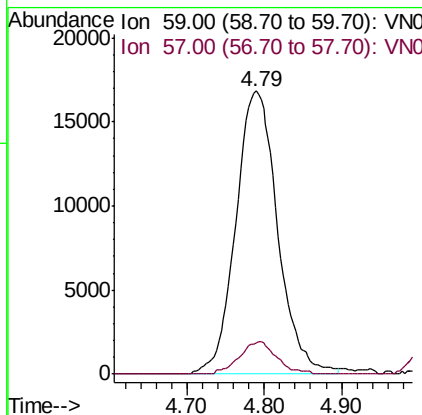
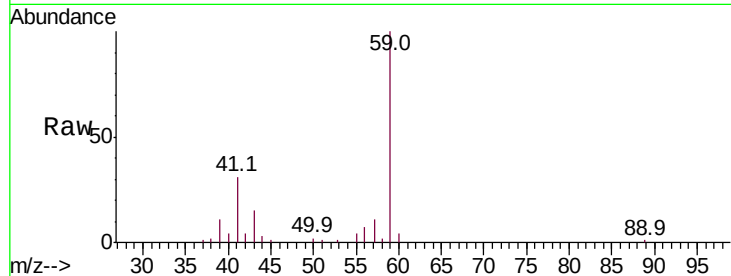
Tert butyl alcohol
Concen: 99.887 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	59	Resp	63244
Ion Ratio	100	Lower	Upper
57	10.3	8.0	12.0

Manual Integrations
APPROVED

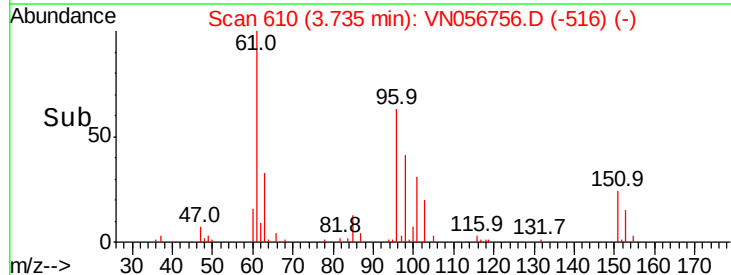
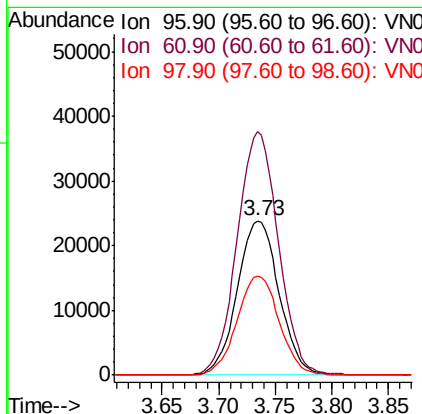
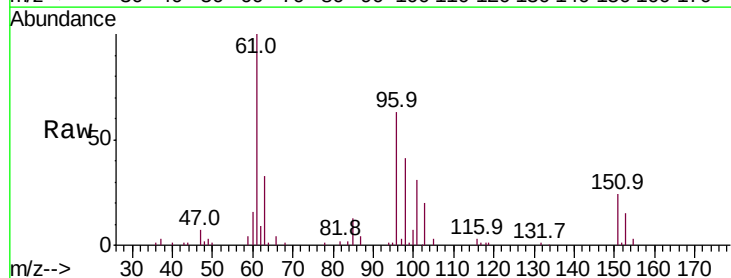
MMDadoda
7/17/2019 4:57:21 PM

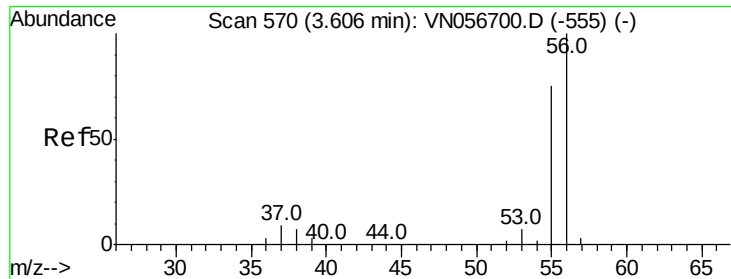


#12

1,1-Dichloroethene
Concen: 18.937 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	96	Resp	61219
Ion Ratio	100	Lower	Upper
61	158.1	126.6	189.8
98	64.2	51.4	77.2





#13

Acrolein

Concen: 117.357 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampled :

VN0716WBS01

Tot Ion: 56 Resp: 24100

Ion Ratio Lower Upper

56 100

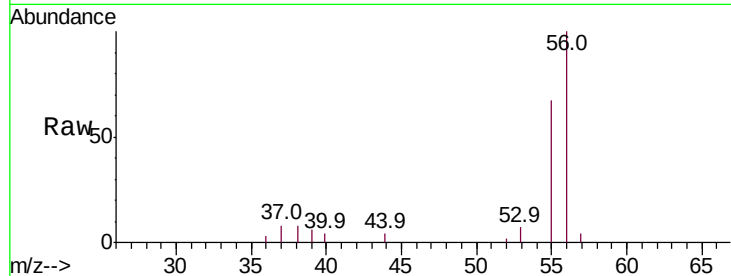
55 68.7 58.0 87.0

Manual Integrations

APPROVED

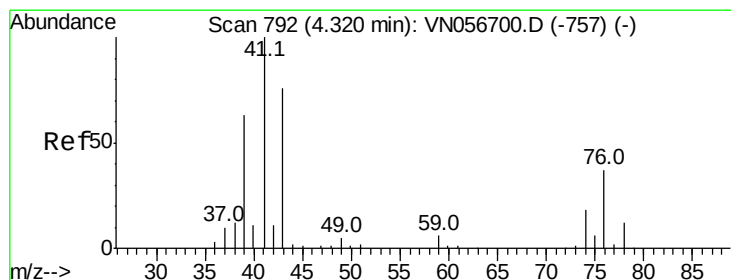
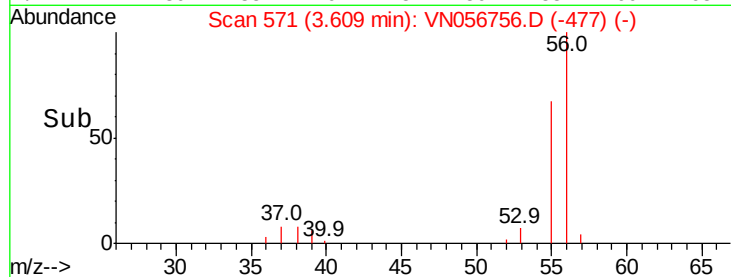
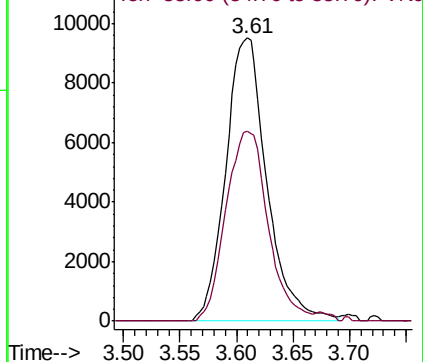
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.857 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

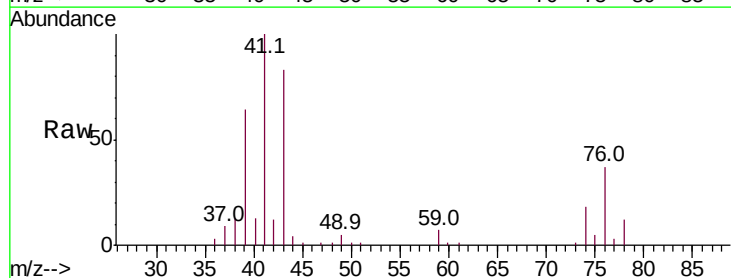
Tgt Ion: 41 Resp: 105425

Ion Ratio Lower Upper

41 100

39 60.5 46.9 70.3

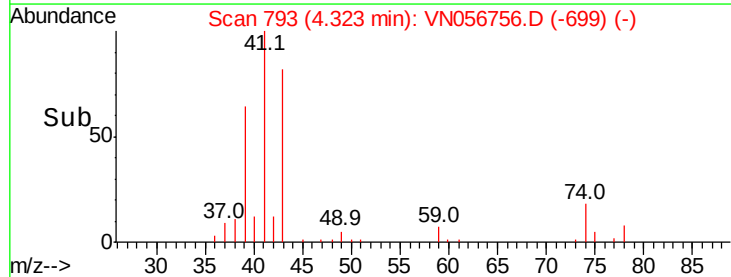
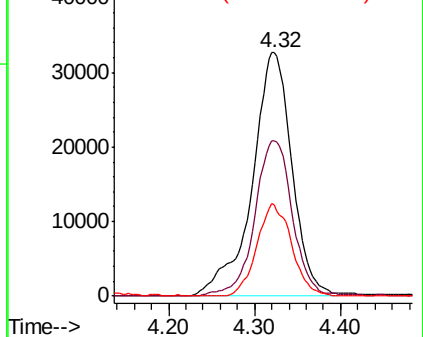
76 33.0 26.5 39.7

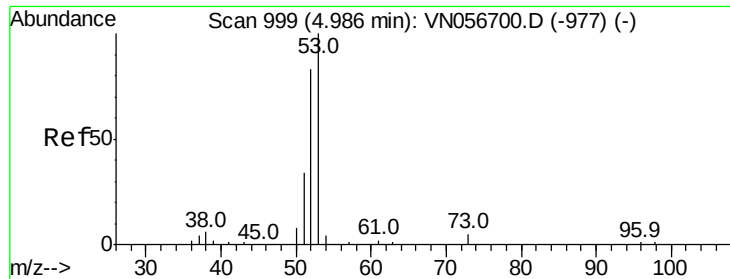


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.185 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

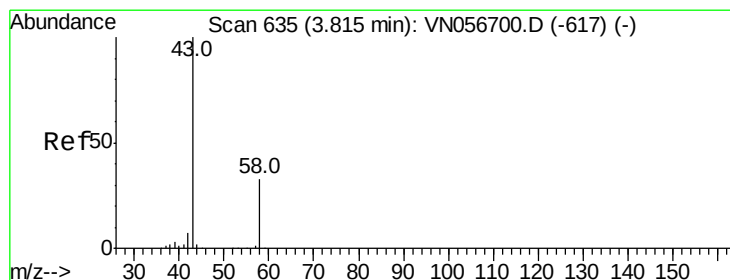
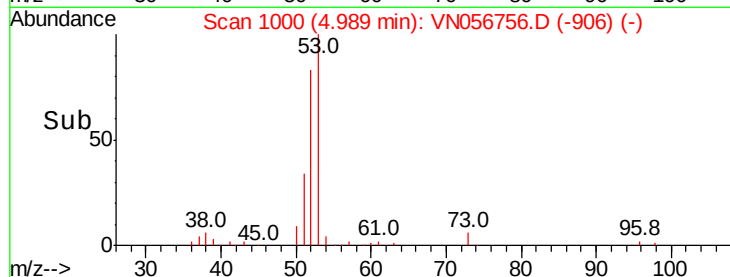
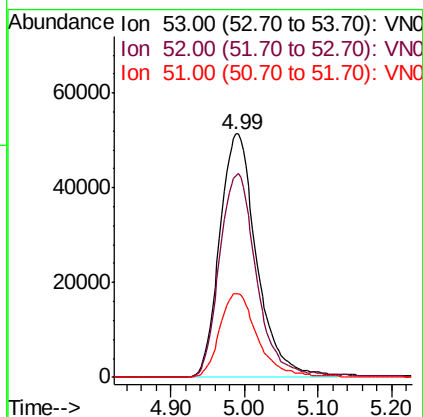
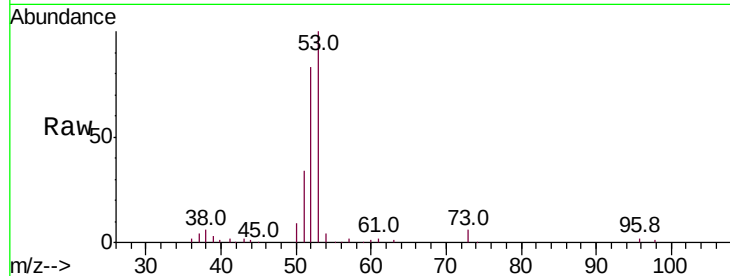
ClientSampleId :

VN0716WBS01

Tot Ion:	53	Resp:	179527
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	35.1	28.4	42.6

Manual Integrations
APPROVED

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#16

Acetone

Concen: 102.033 ug/l

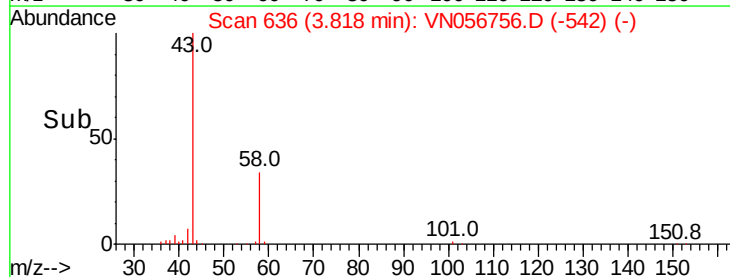
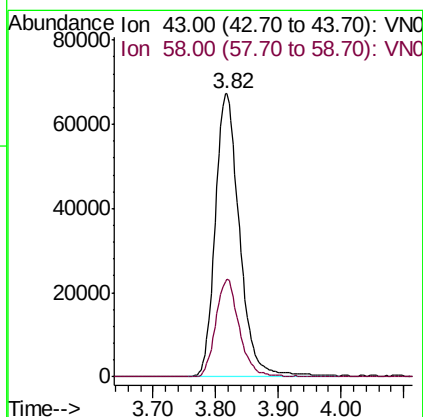
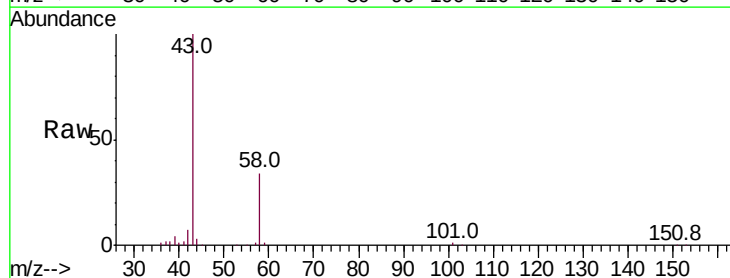
RT: 3.82 min Scan# 636

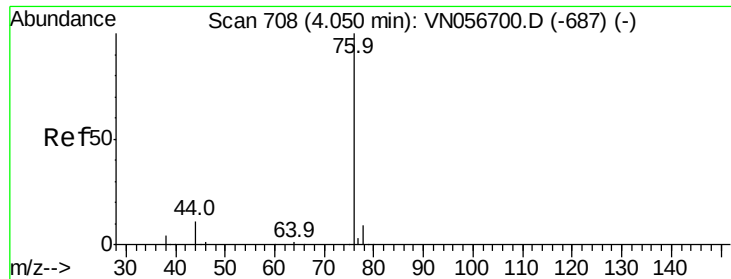
Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion:	43	Resp:	178855
Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.7	40.1





#17

Carbon Disulfide

Concen: 18.251 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 76 Resp: 155910

Ion Ratio Lower Upper

76 100

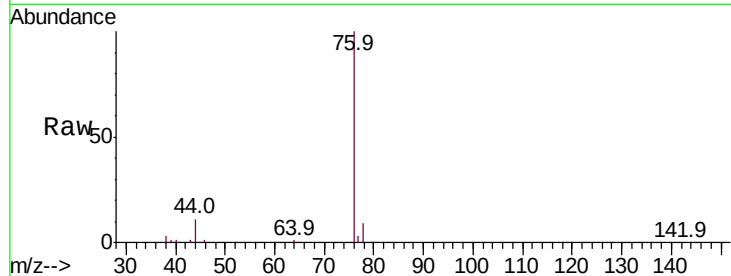
78 9.2 7.4 11.0

Manual Integrations

APPROVED

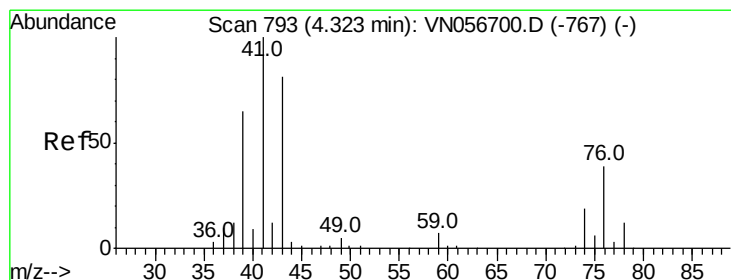
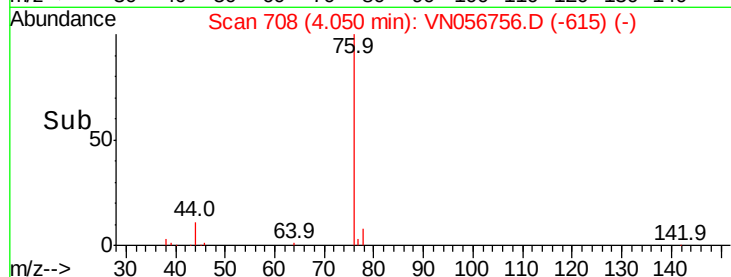
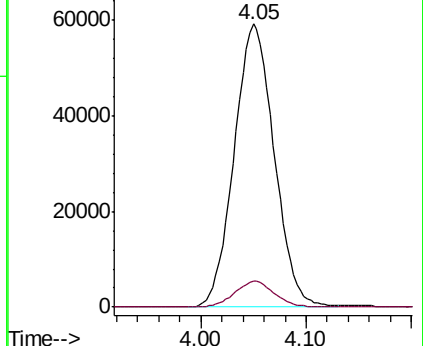
MMDadoda

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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: 20.235 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056756.D

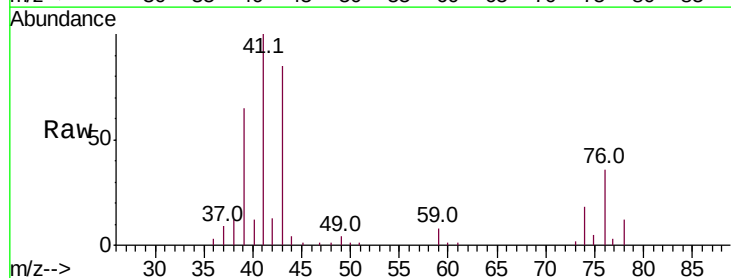
Acq: 16 Jul 2019 10:20

Tgt Ion: 43 Resp: 81944

Ion Ratio Lower Upper

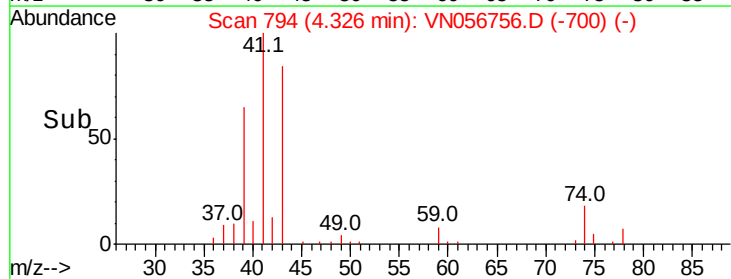
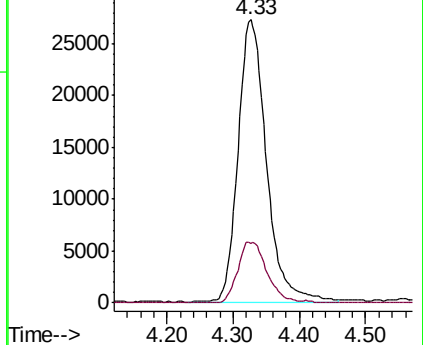
43 100

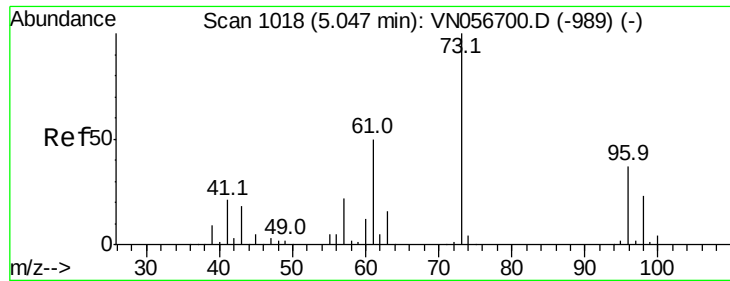
74 21.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





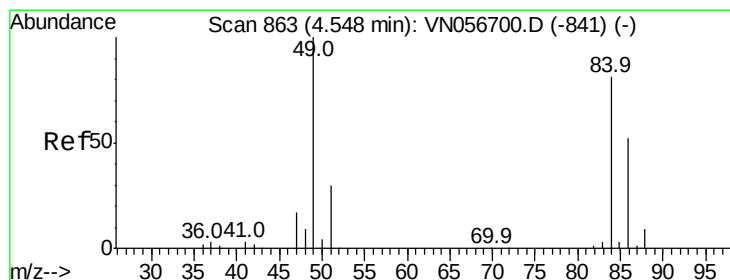
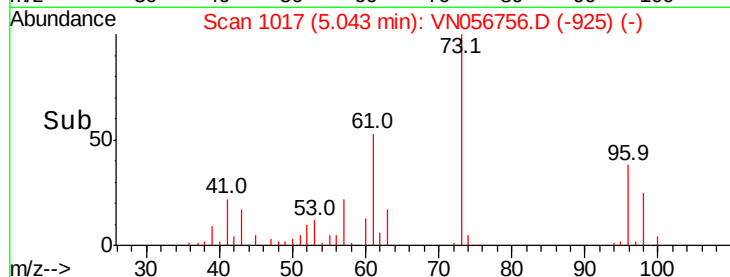
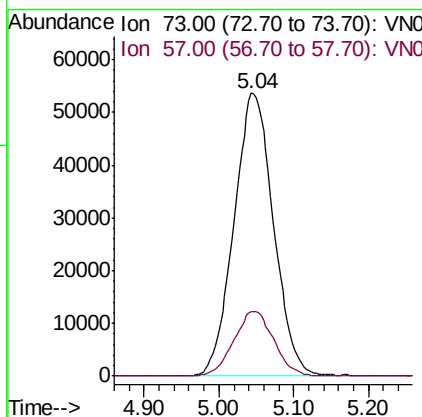
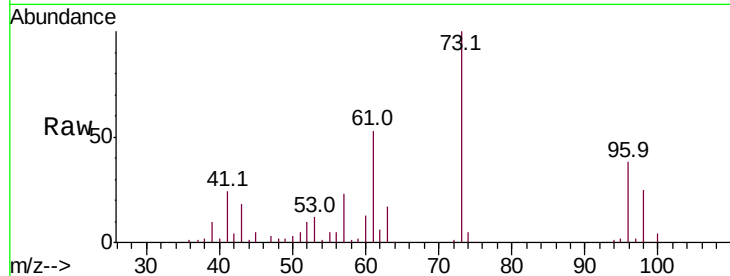
#19
Methyl tert-butyl Ether
Concen: 19.118 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion: 73 Resp: 196919
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

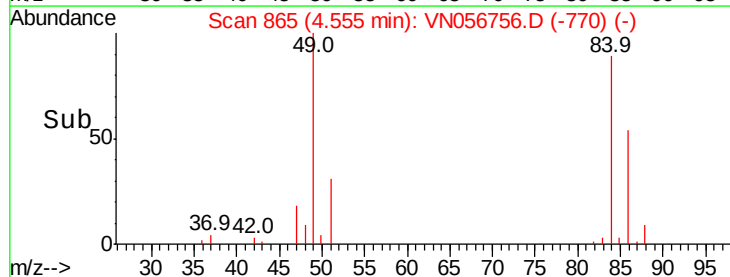
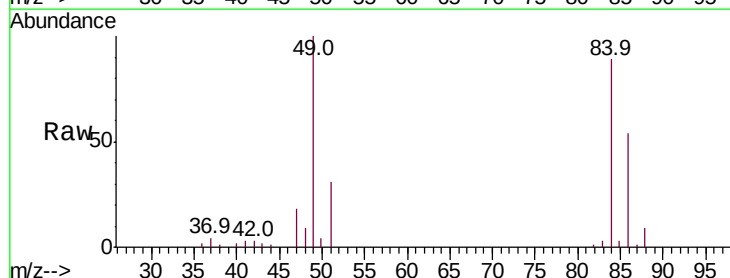
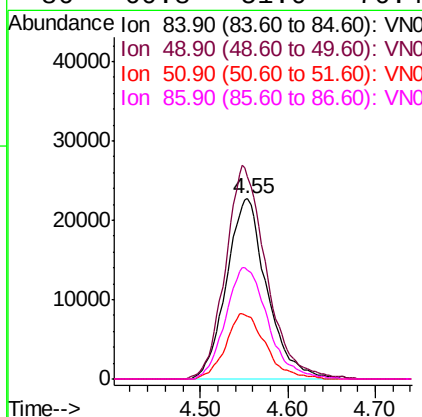
Manual Integrations
APPROVED

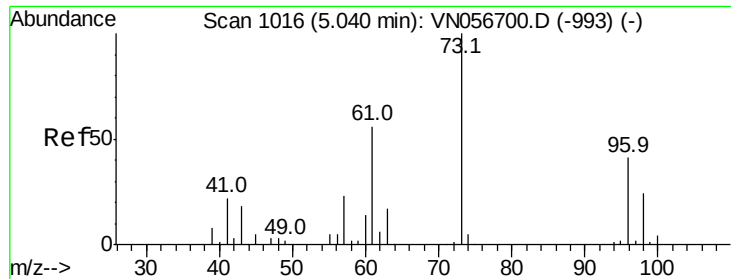
MMDadoda
7/17/2019 4:57:21 PM



#20
Methylene Chloride
Concen: 19.082 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion: 84 Resp: 73099
Ion Ratio Lower Upper
84 100
49 111.3 98.2 147.4
51 35.2 29.6 44.4
86 60.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.552 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056756.D

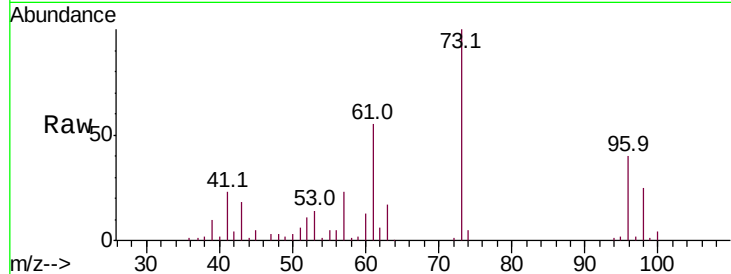
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion:	96	Resp:	66814
Ion	Ratio	Lower	Upper
96	100		
61	138.2	109.4	164.2
98	63.8	48.0	72.0

Manual Integrations
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7/17/2019 4:57:21 PM

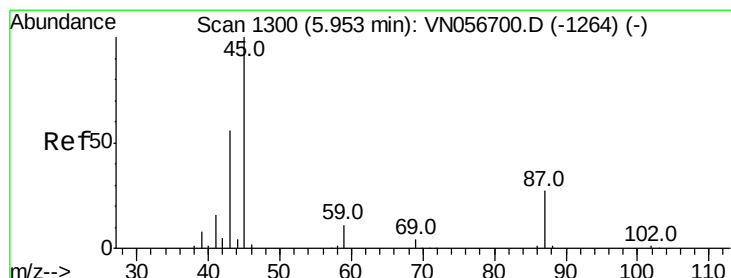
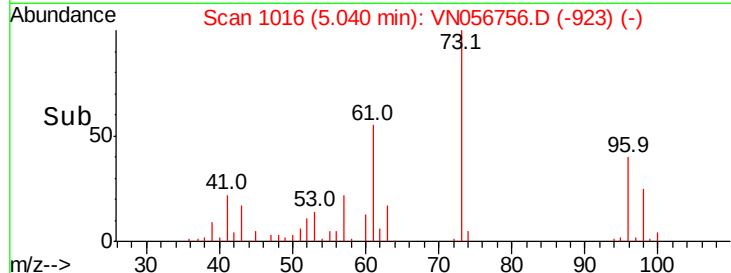
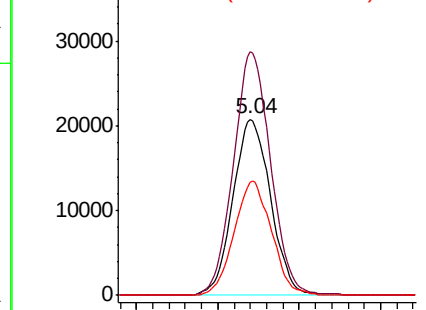


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 19.582 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion:	45	Resp:	216091
Ion	Ratio	Lower	Upper
45	100		
43	62.6	45.6	68.4
87	27.6	22.0	33.0
59	11.6	9.3	13.9

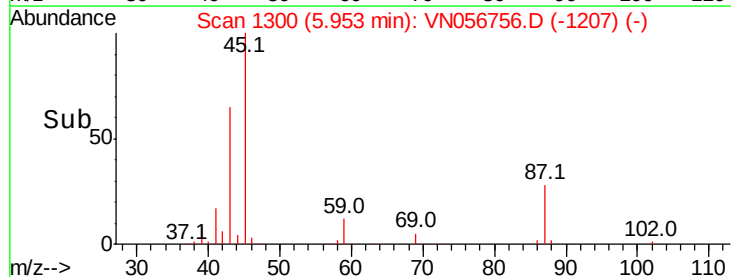
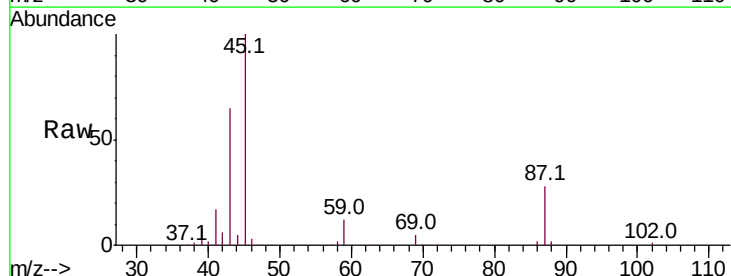
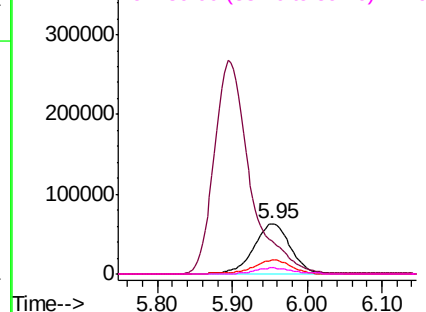
Abundance

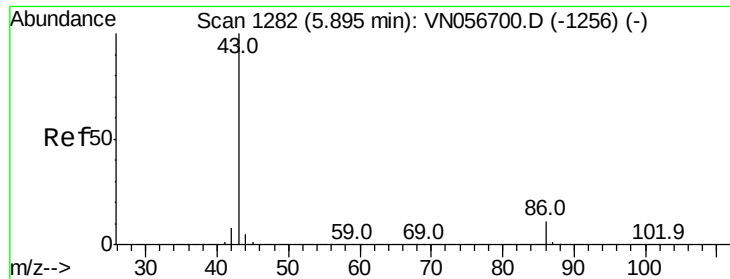
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 100.204 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 43 Resp: 896052

Ion Ratio Lower Upper

43 100

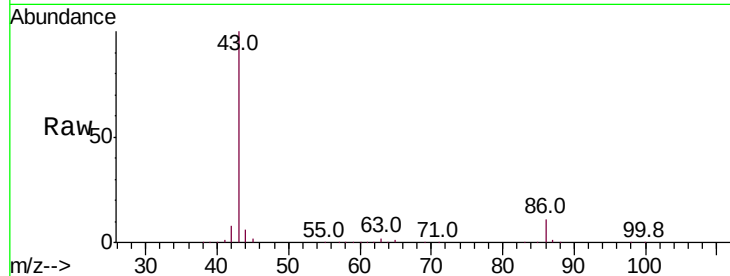
86 10.6 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

300000

250000

200000

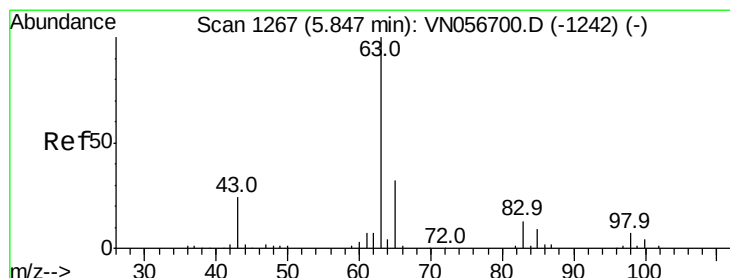
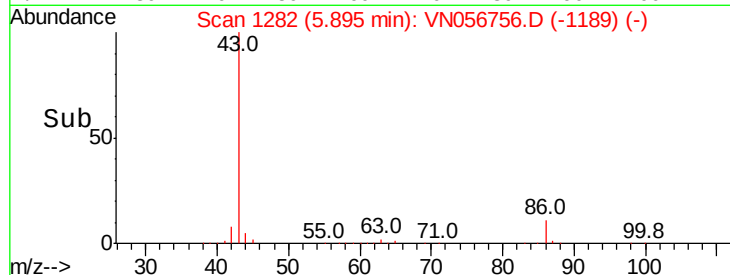
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.711 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

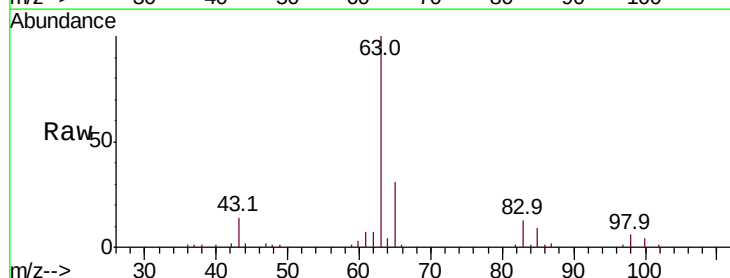
Tgt Ion: 63 Resp: 126110

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

50000

40000

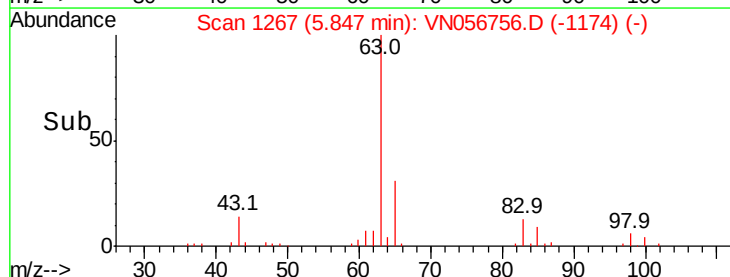
30000

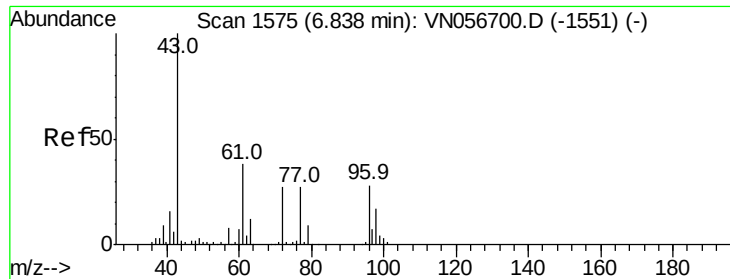
20000

10000

0

Time-->





#25

2-Butanone

Concen: 99.541 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampled :

VN0716WBS01

Tot Ion: 43 Resp: 255101

Ion Ratio Lower Upper

43 100

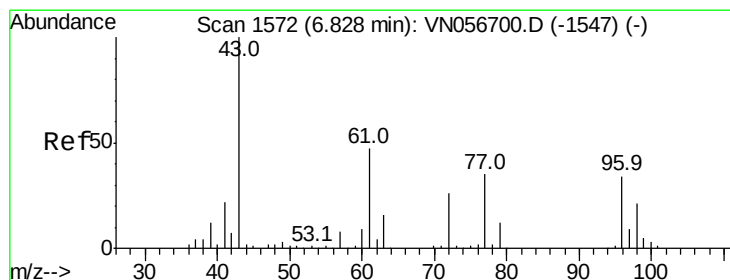
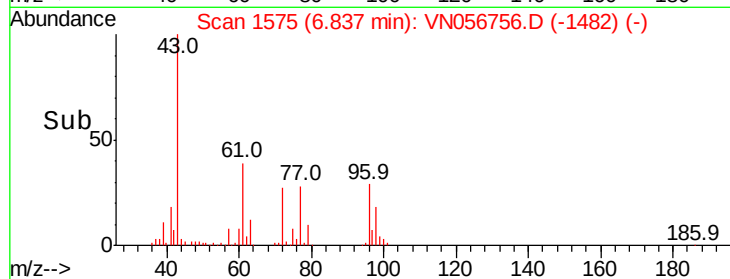
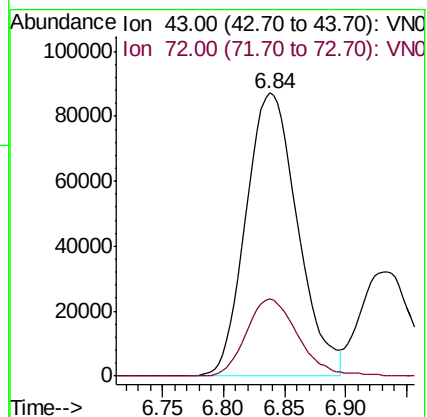
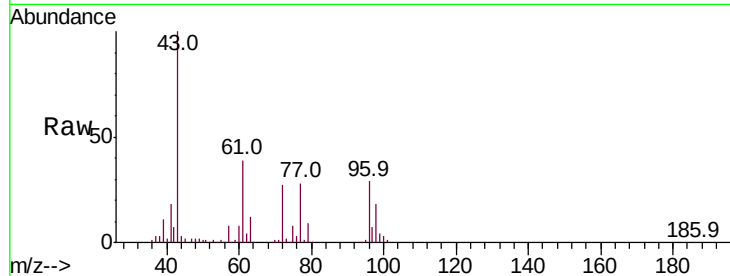
72 27.4 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

7/17/2019 4:57:21 PM



#26

2,2-Dichloropropane

Concen: 19.708 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056756.D

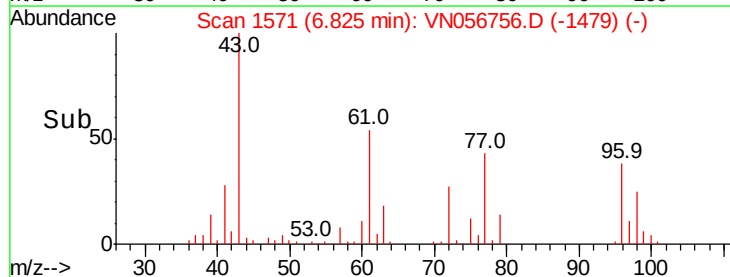
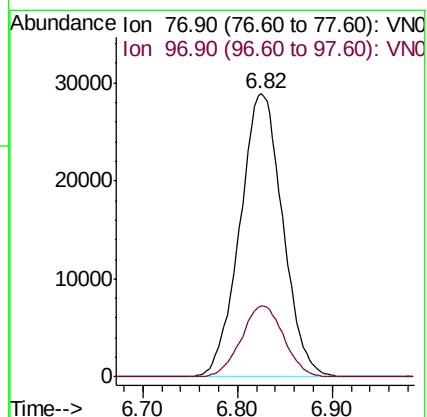
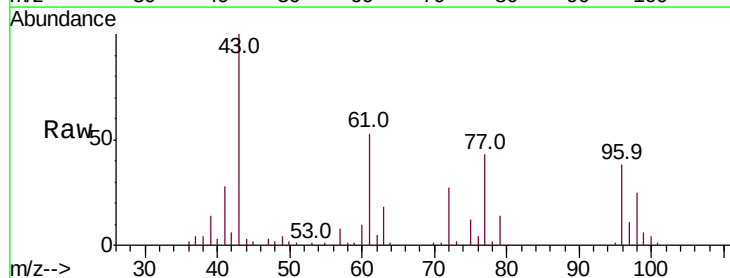
Acq: 16 Jul 2019 10:20

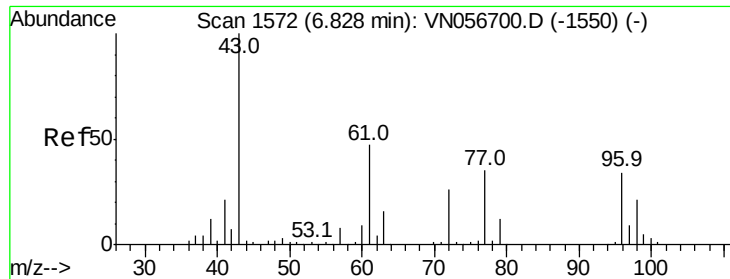
Tgt Ion: 77 Resp: 90916

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





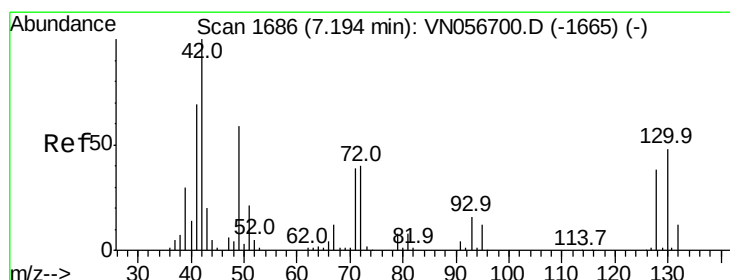
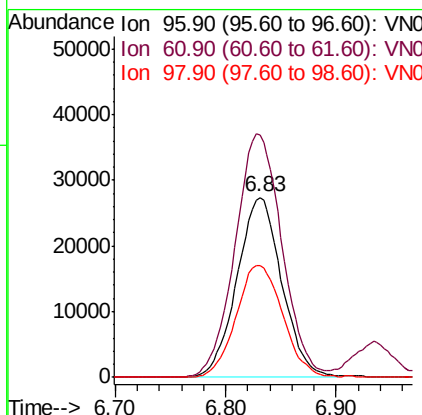
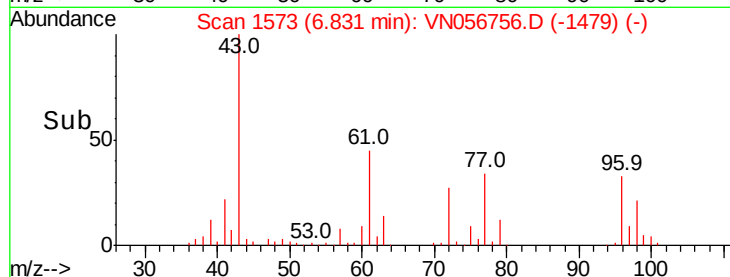
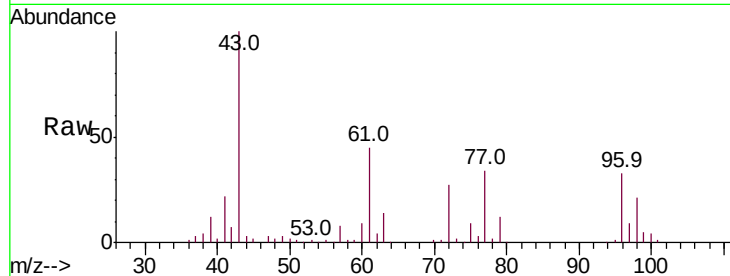
#27
 cis-1,2-Dichloroethene
 Concen: 19.611 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	281.4
98	64.8	0.0	127.8

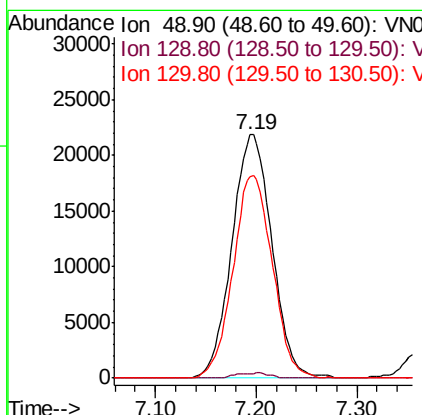
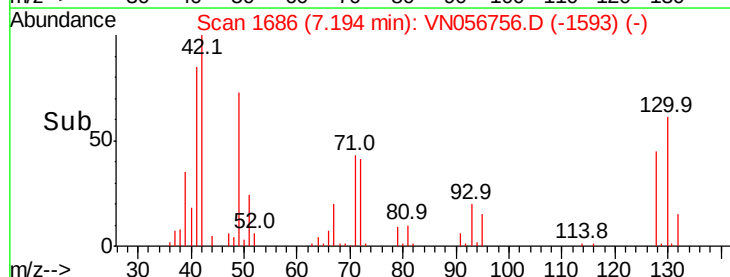
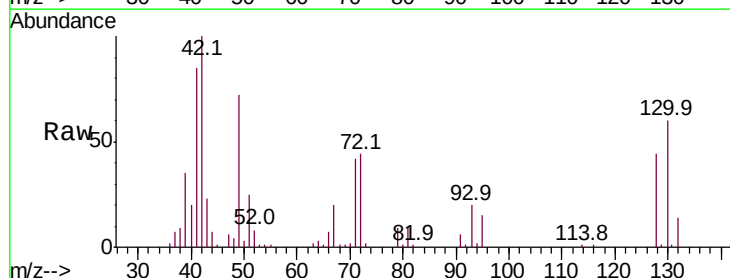
Manual Integrations
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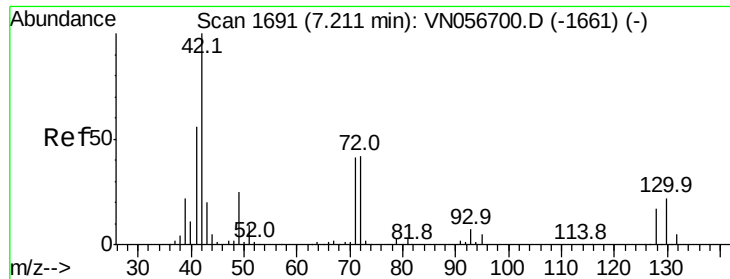
MMDadoda
 7/17/2019 4:57:21 PM



#28
 Bromochloromethane
 Concen: 19.991 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.0
130	81.8	64.7	97.1





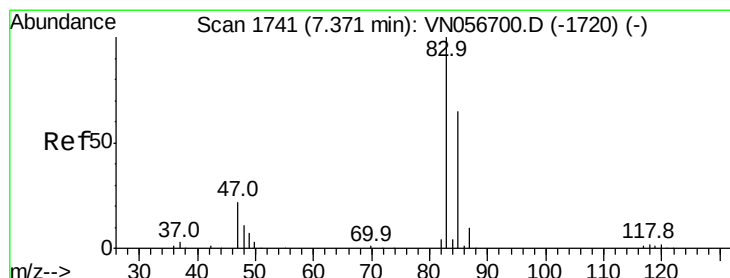
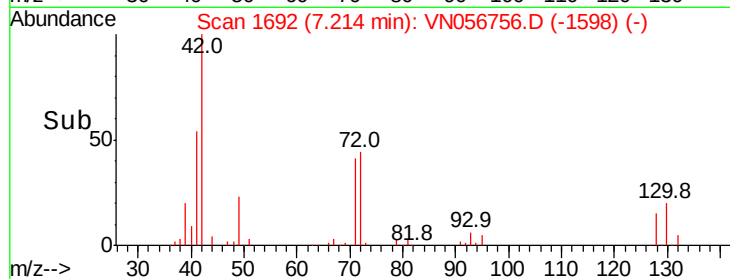
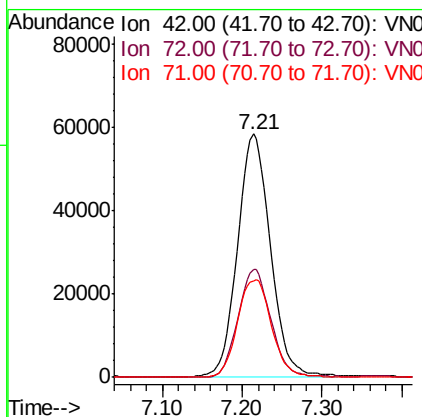
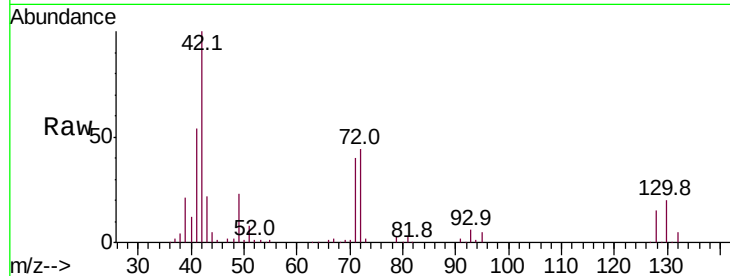
#29
Tetrahydrofuran
Concen: 97.764 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.5	50.3
71	41.5	31.8	47.8

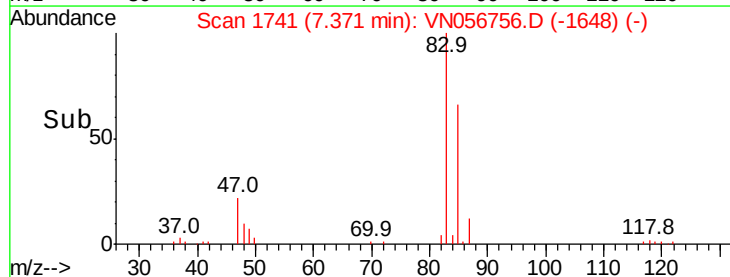
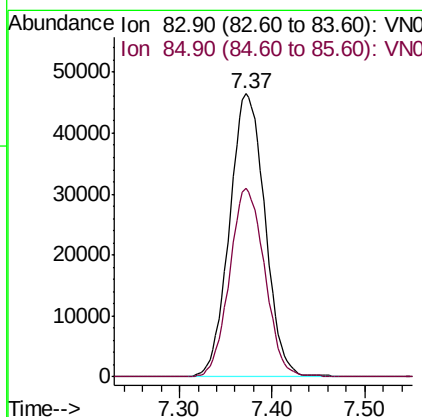
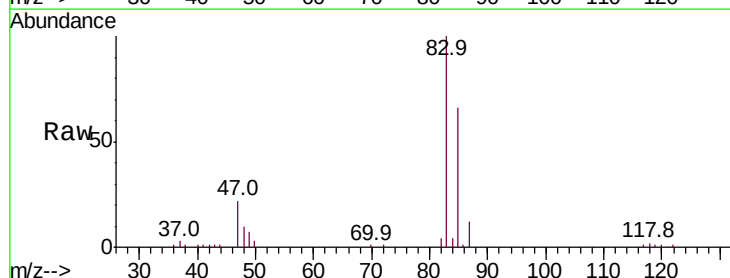
Manual Integrations
APPROVED

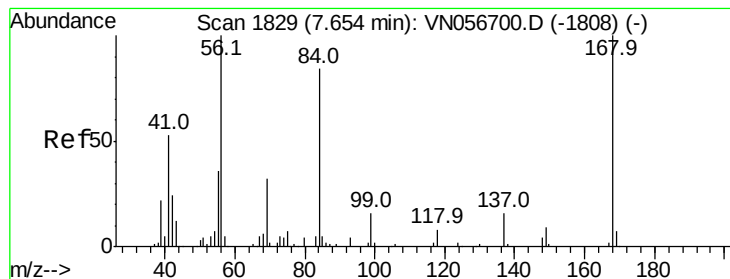
MMDadoda
7/17/2019 4:57:21 PM



#30
Chloroform
Concen: 19.249 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.9	77.9





#31

Cyclohexane

Concen: 19.899 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 56 Resp: 121005

Ion Ratio Lower Upper

56 100

69 34.7 25.8 38.8

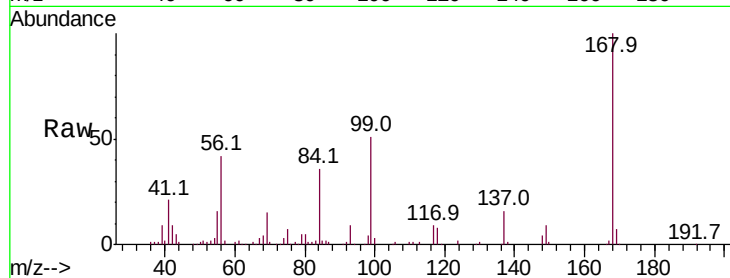
84 84.8 67.4 101.0

Manual Integrations

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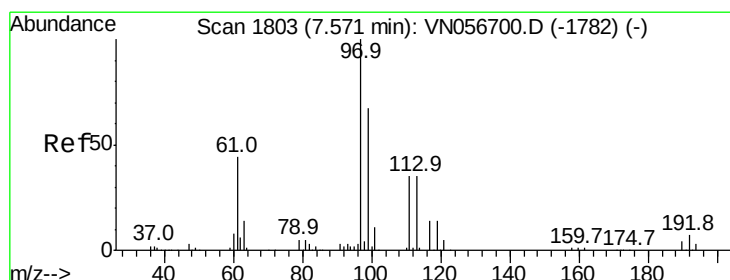
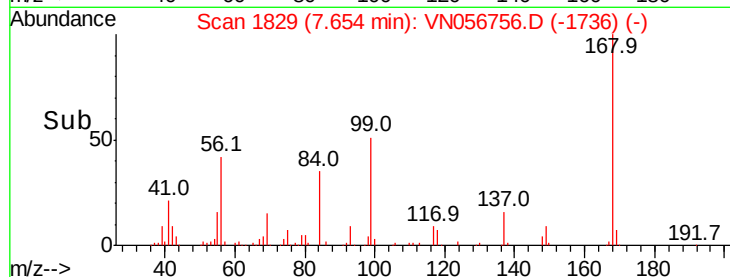
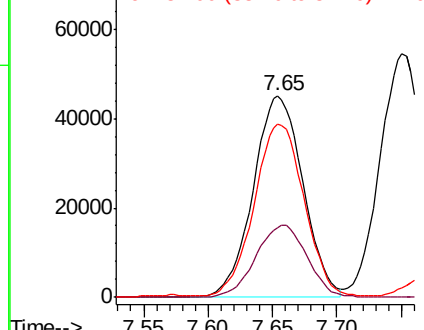
7/17/2019 4:57:21 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.579 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

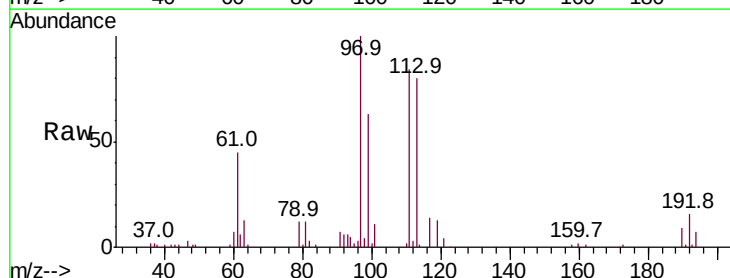
Tgt Ion: 97 Resp: 99134

Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

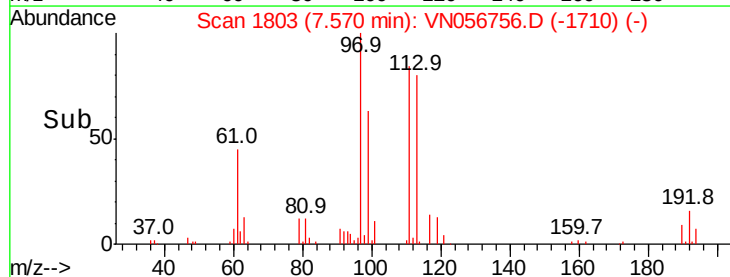
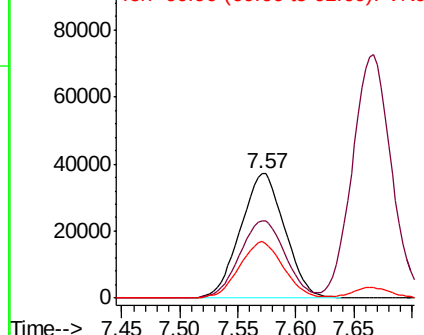
61 44.7 34.3 51.5

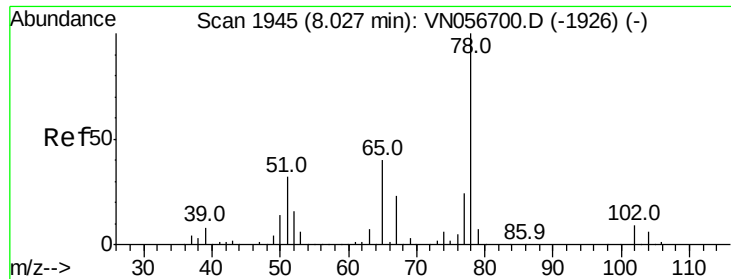


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





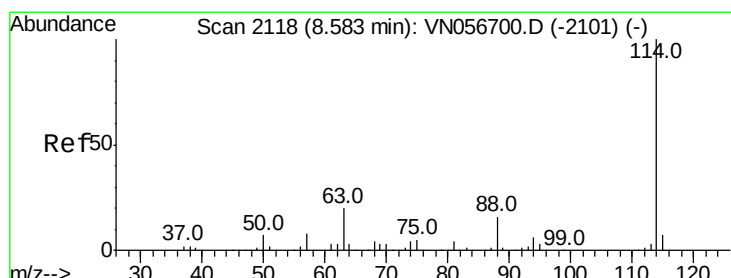
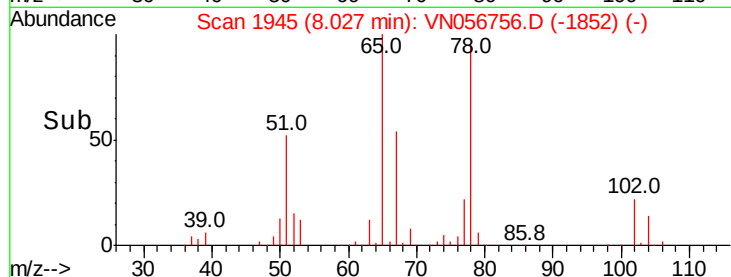
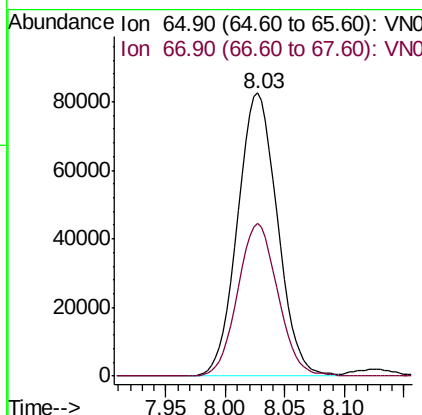
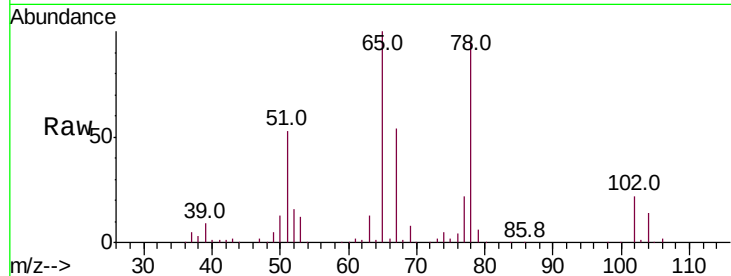
#33
 1,2-Dichloroethane-d4
 Concen: 50.338 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	109.0

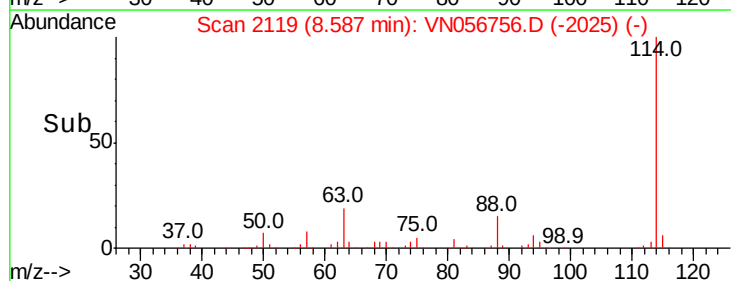
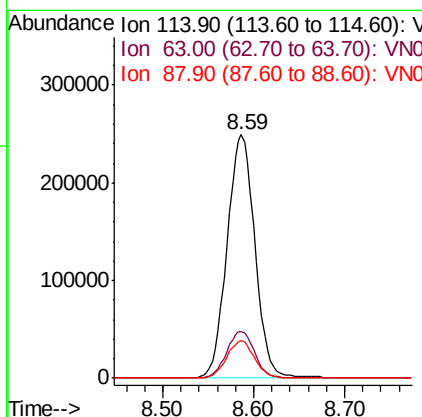
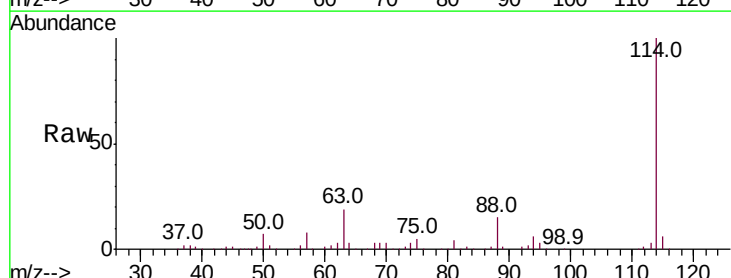
Manual Integrations
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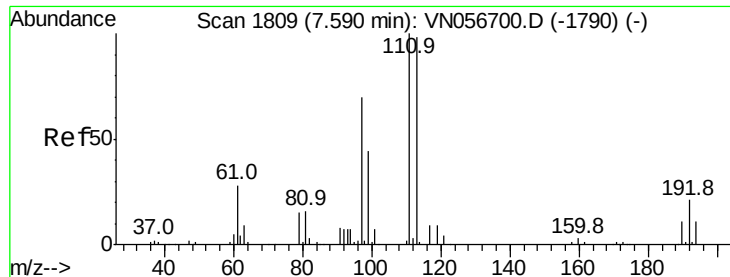
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.4
88	15.4	0.0	31.2





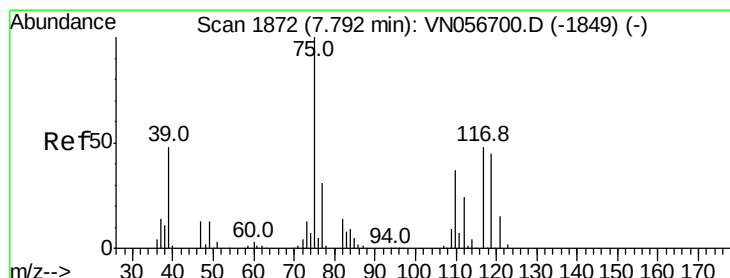
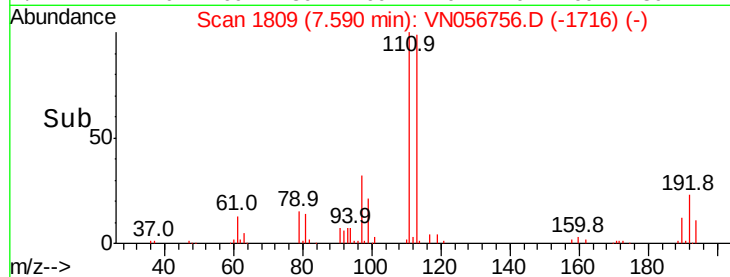
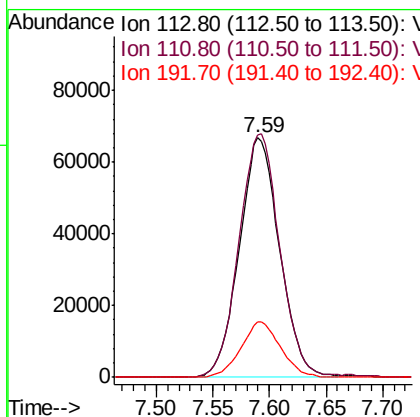
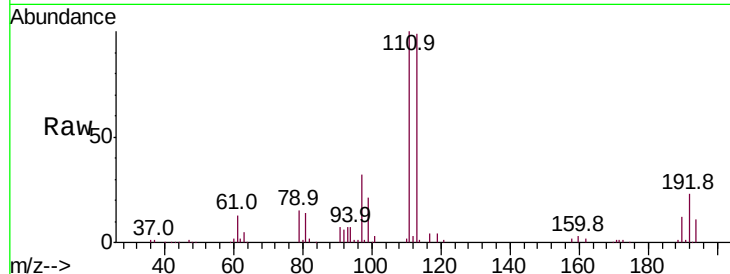
#35
 Dibromofluoromethane
 Concen: 50.082 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	22.7	17.5	26.3

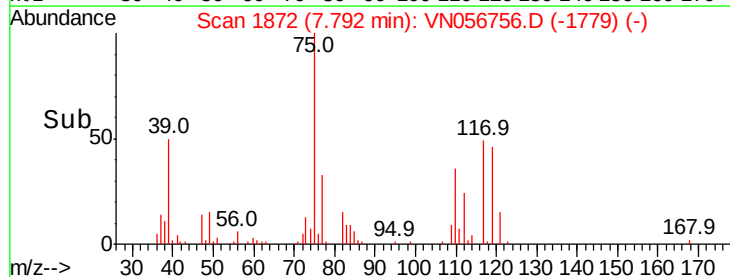
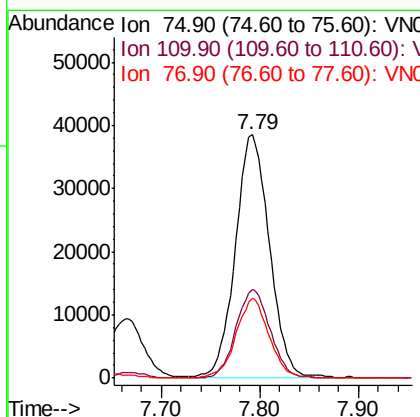
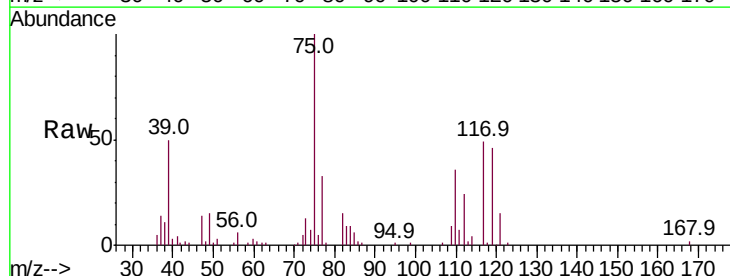
Manual Integrations
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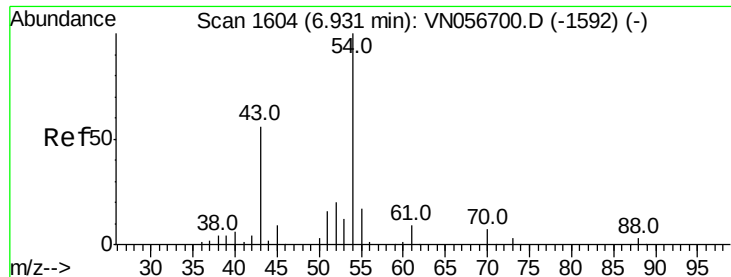
MMDadoda
 7/17/2019 4:57:21 PM



#36
 1,1-Dichloropropene
 Concen: 18.900 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.4	55.4
77	31.7	24.6	36.8





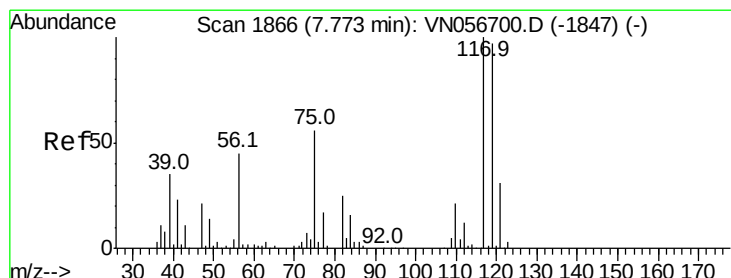
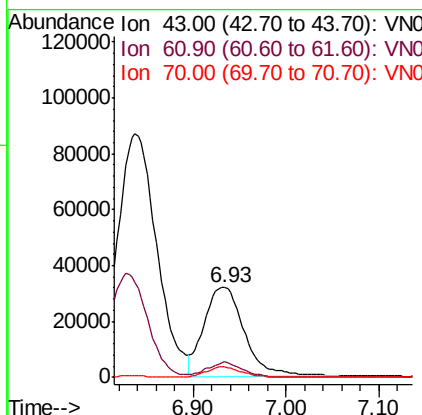
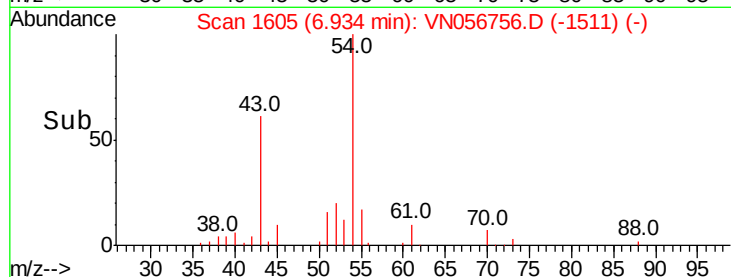
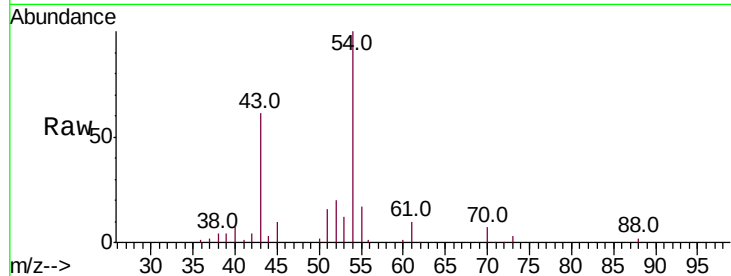
#37
Ethyl Acetate
Concen: 19.775 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	10.4	8.5	12.7

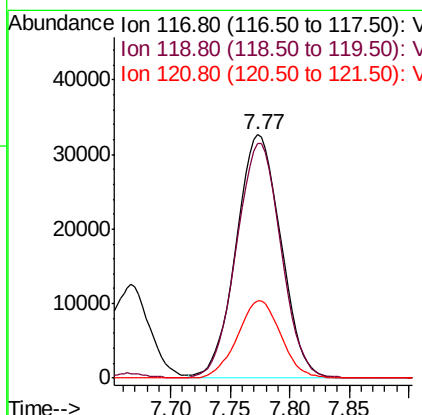
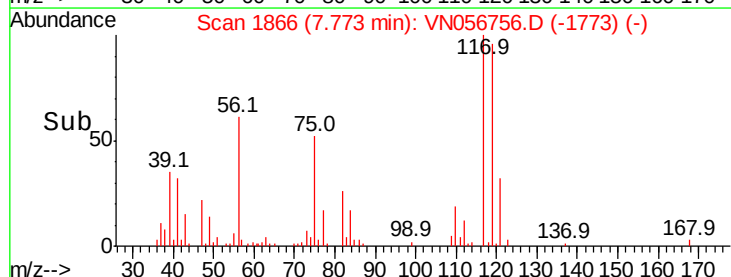
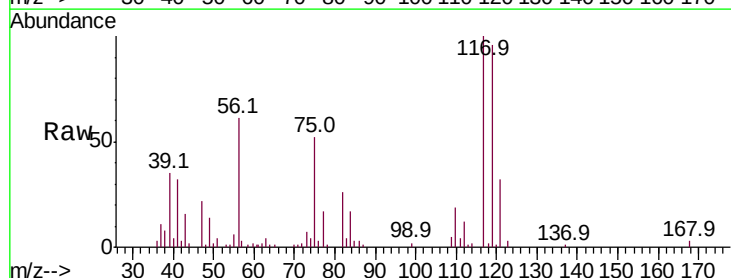
Manual Integrations
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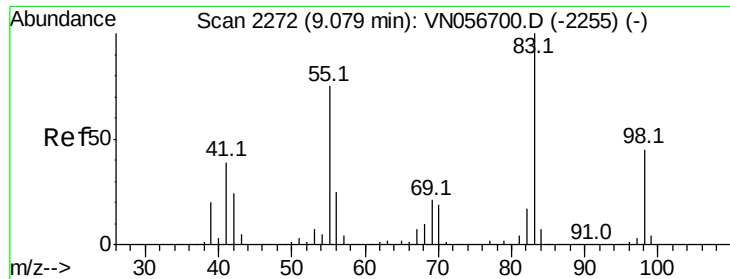
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.489 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.5	116.3
121	31.9	24.7	37.1





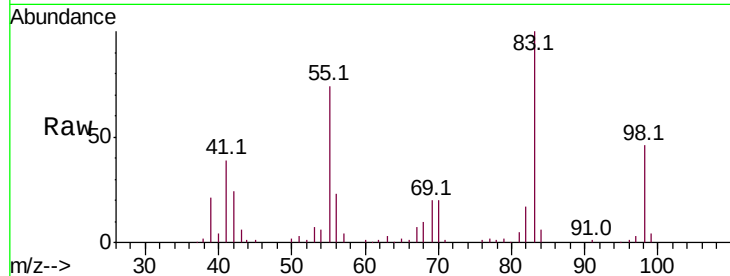
#39
Methylvlcyclohexane
Concen: 18.841 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

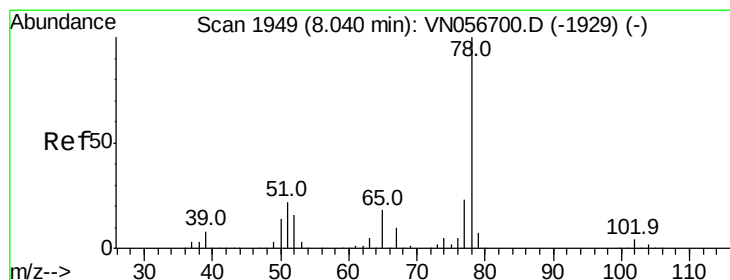
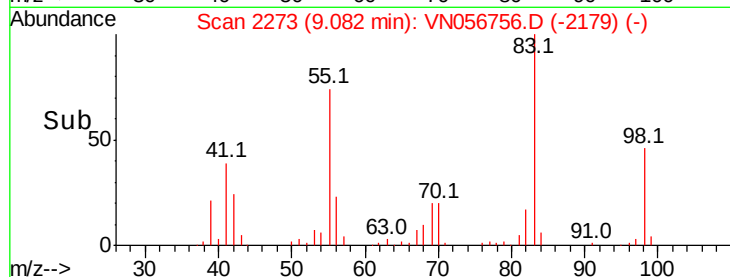
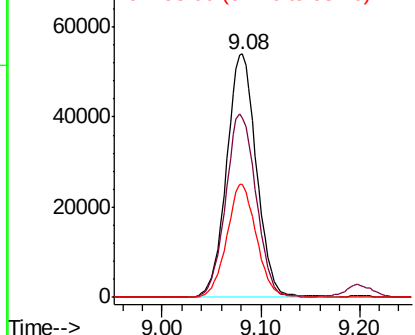
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.4	90.6
98	46.5	35.8	53.8

Manual Integrations
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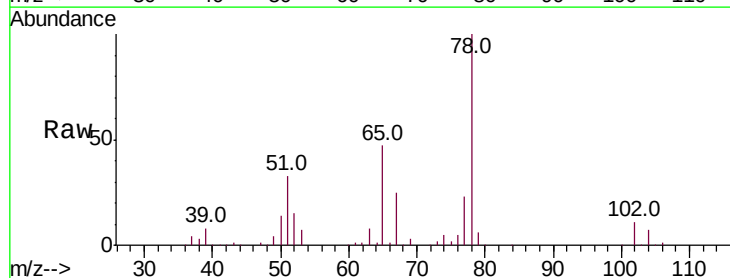


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

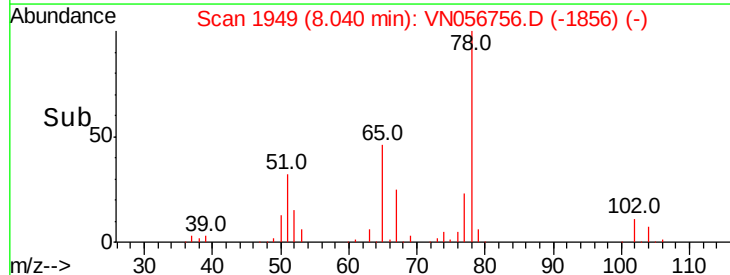
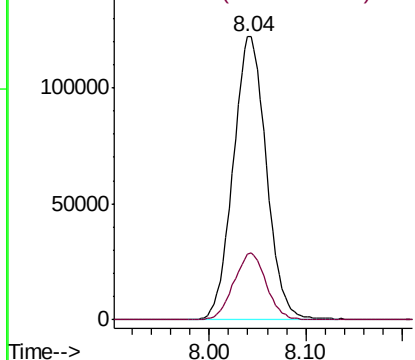


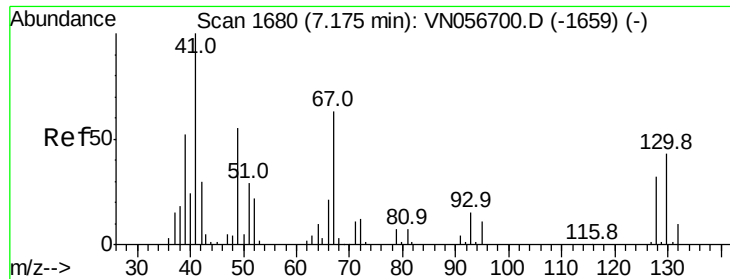
#40
Benzene
Concen: 19.360 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





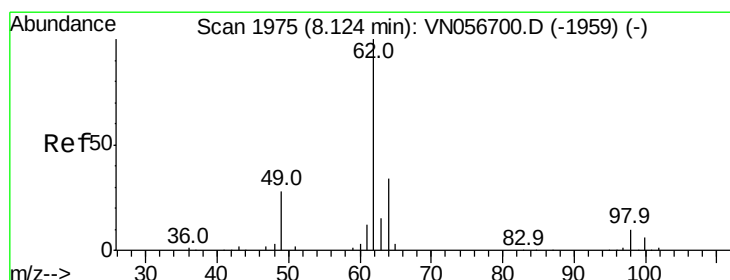
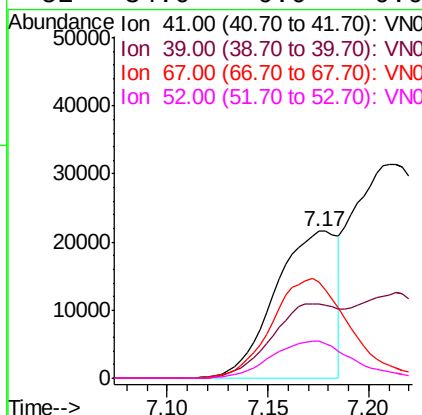
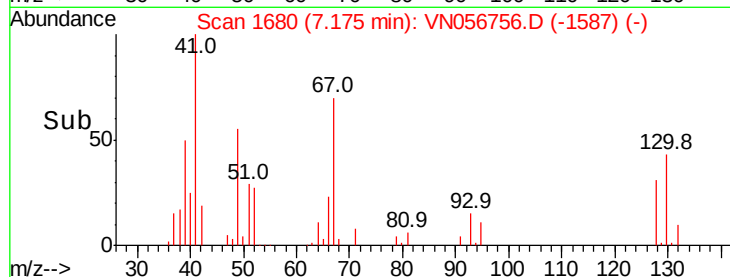
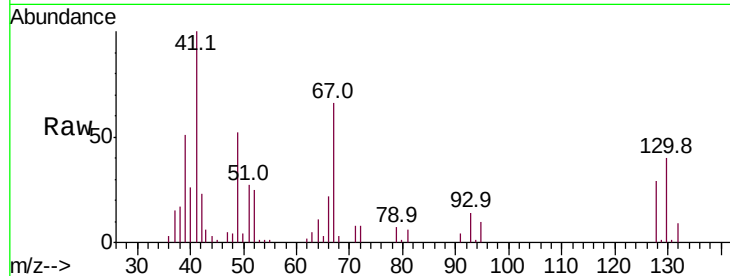
#41
Methacrylonitrile
Concen: 21.789 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	0.0	0.0#
67	84.0	0.0	0.0#
52	34.0	0.0	0.0#

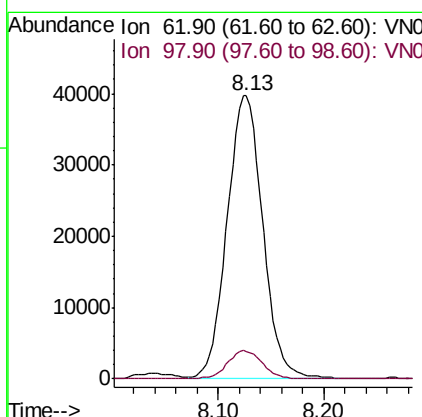
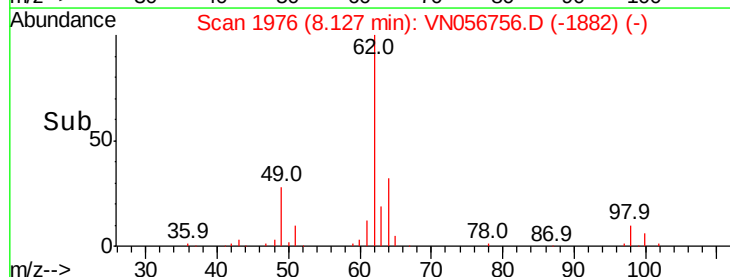
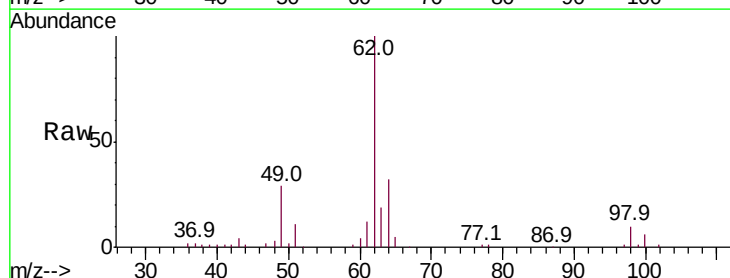
Manual Integrations
APPROVED

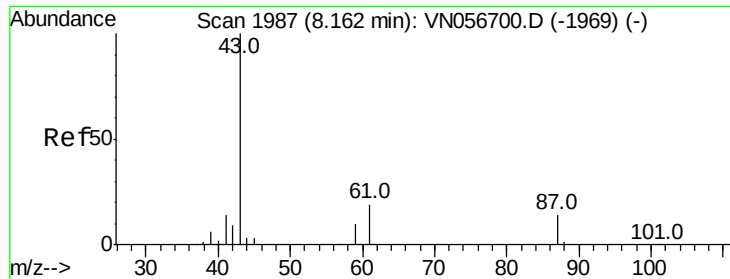
MMDadoda
7/17/2019 4:57:21 PM



#42
1,2-Dichloroethane
Concen: 19.615 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 20.268 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

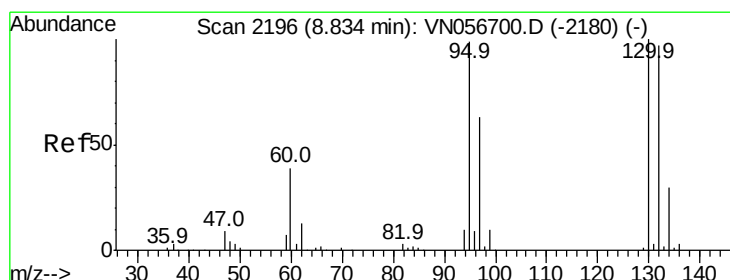
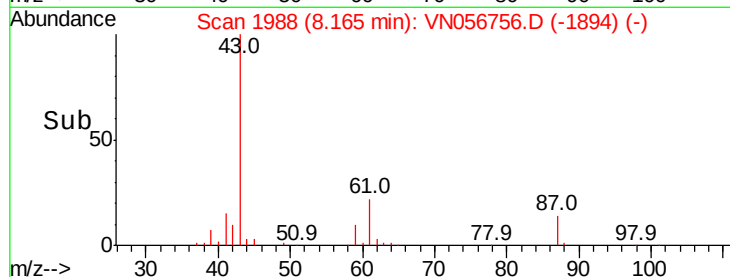
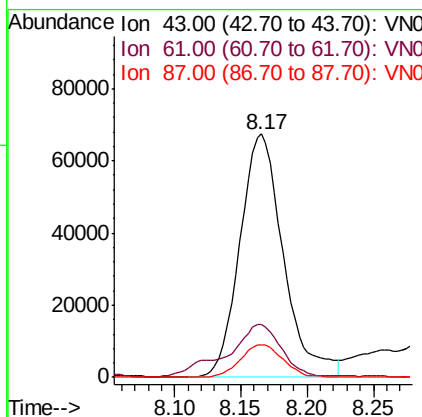
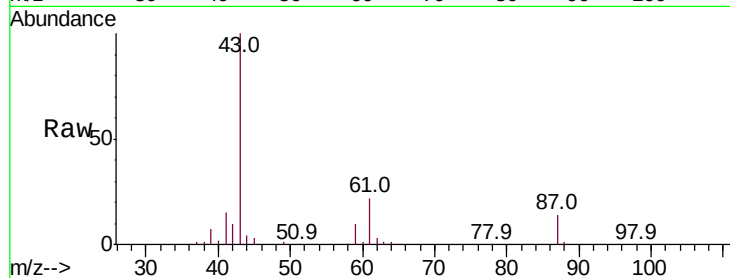
ClientSampleId :

VN0716WBS01

Tot Ion:	43	Resp:	154055
Ion Ratio	Lower	Upper	
43	100		
61	27.4	22.3	33.5
87	13.1	11.1	16.7

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#44

Trichloroethene

Concen: 19.288 ug/l

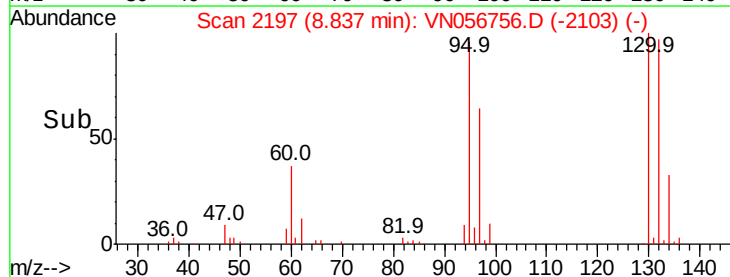
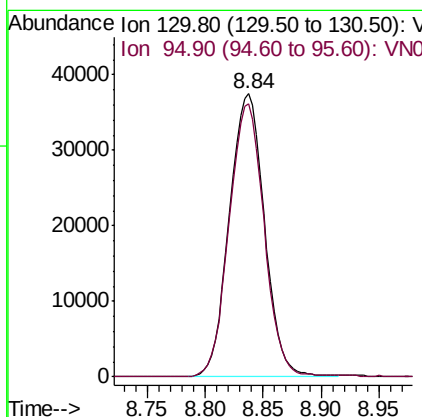
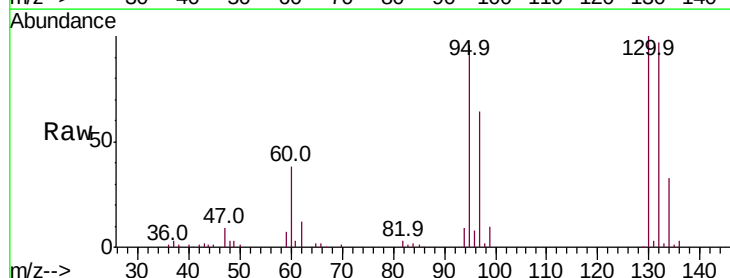
RT: 8.84 min Scan# 2197

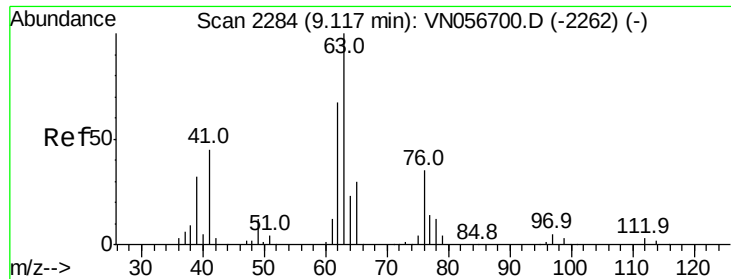
Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion:	130	Resp:	78729
Ion Ratio	Lower	Upper	
130	100		
95	96.4	0.0	197.2





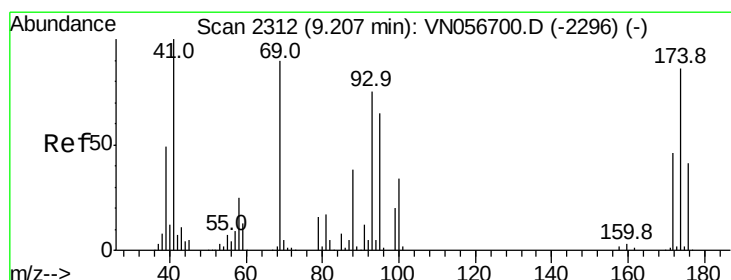
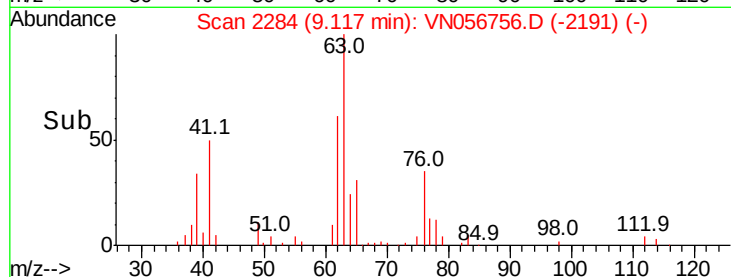
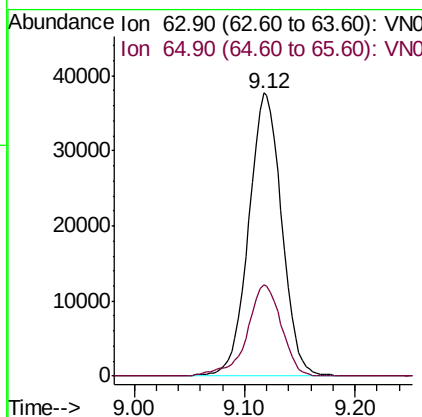
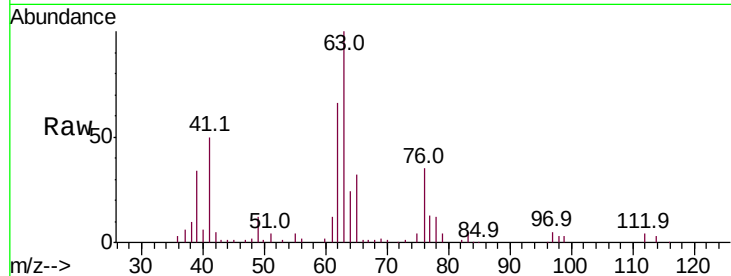
#45
 1,2-Dichloropropane
 Concen: 19.578 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.0	36.0

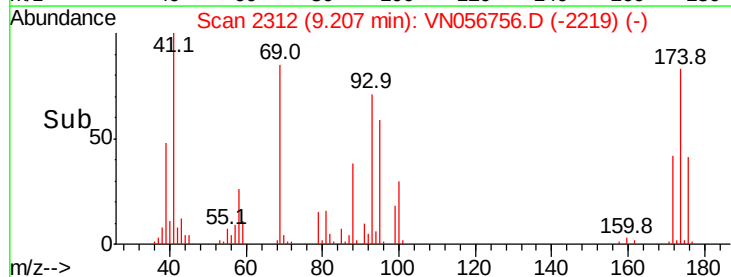
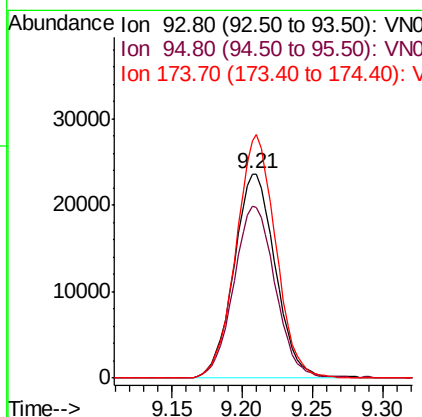
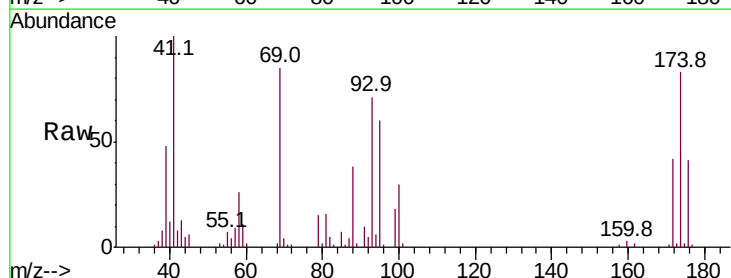
Manual Integrations
 APPROVED

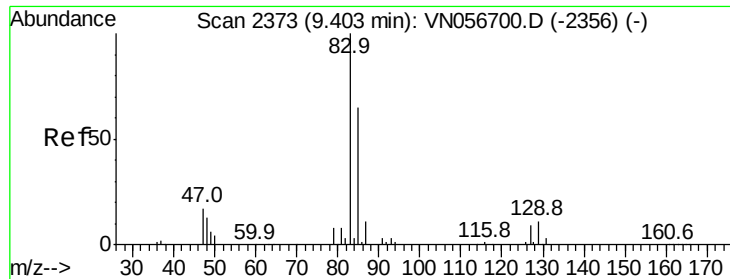
MMDadoda
 7/17/2019 4:57:21 PM



#46
 Dibromomethane
 Concen: 19.591 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.4	101.0
174	114.1	90.3	135.5





#47

Bromodichloromethane

Concen: 19.249 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

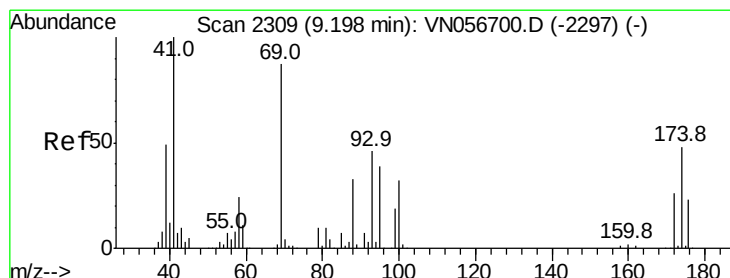
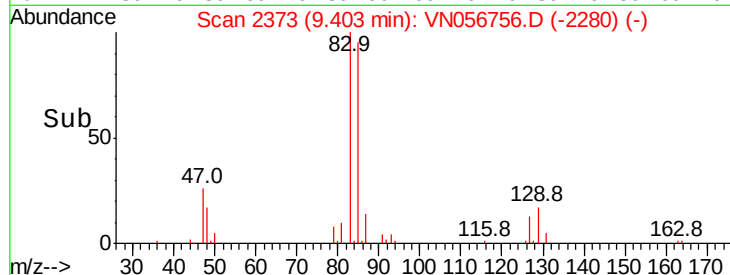
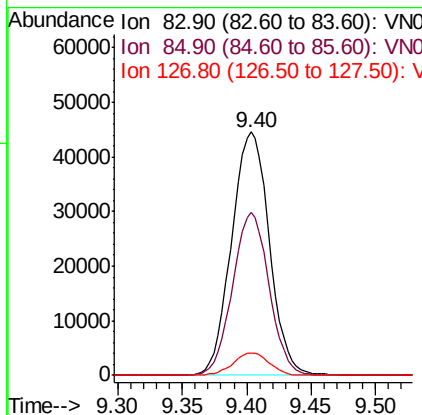
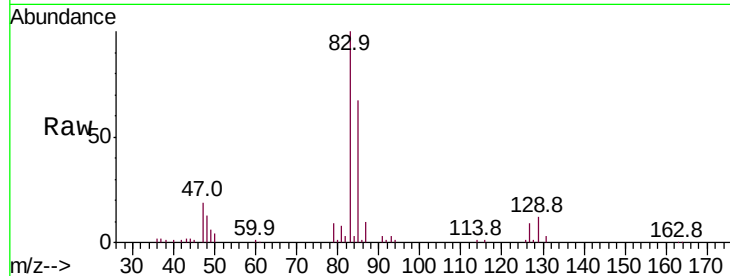
ClientSampleId :

VN0716WBS01

Tot Ion:	83	Resp:	90536
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.3	78.5
127	9.3	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.128 ug/l

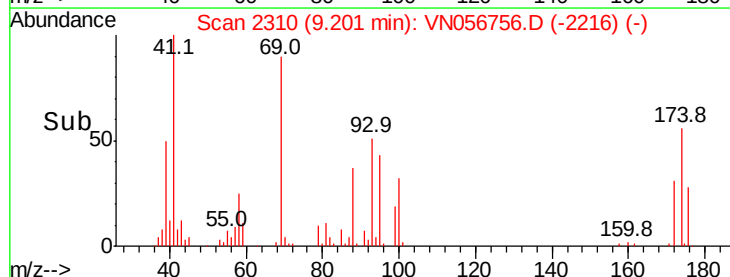
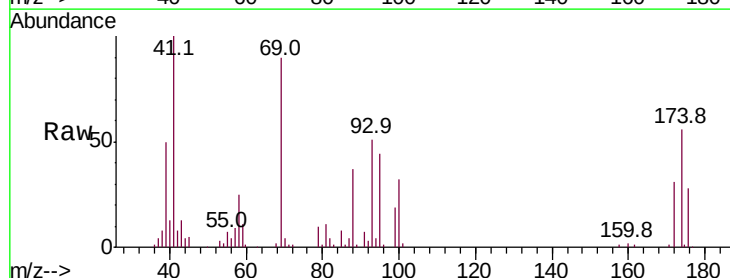
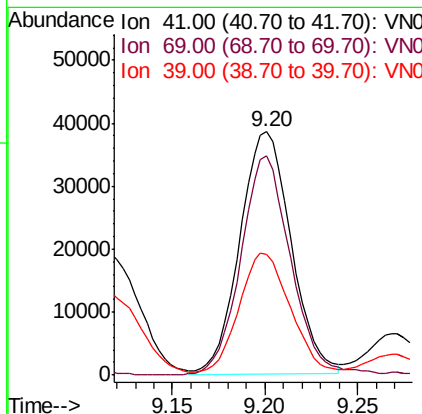
RT: 9.20 min Scan# 2310

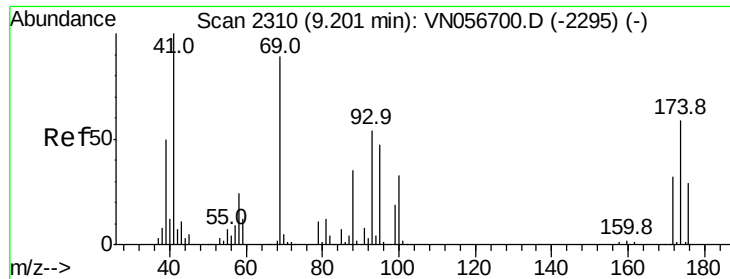
Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion:	41	Resp:	73987
Ion	Ratio	Lower	Upper
41	100		
69	88.3	71.4	107.0
39	50.6	41.2	61.8





#49

1,4-Dioxane

Concen: 406.719 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 88 Resp: 30677

Ion Ratio Lower Upper

88 100

43 29.6 23.7 35.5

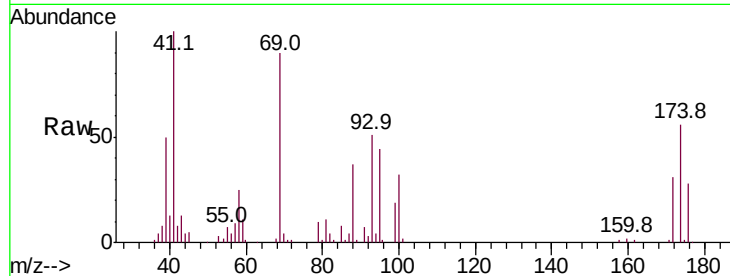
58 67.9 55.6 83.4

Manual Integrations

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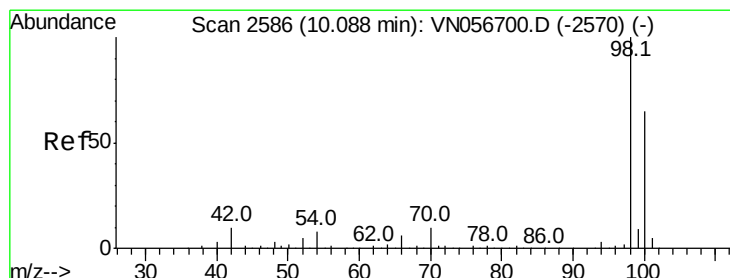
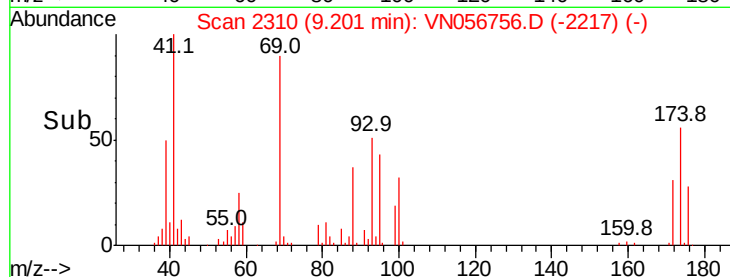
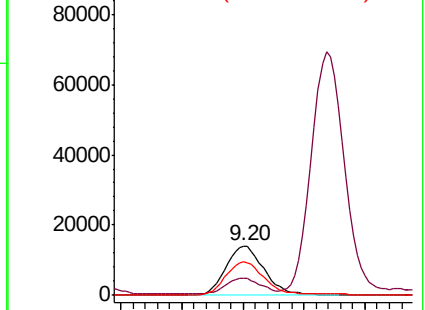
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Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.533 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056756.D

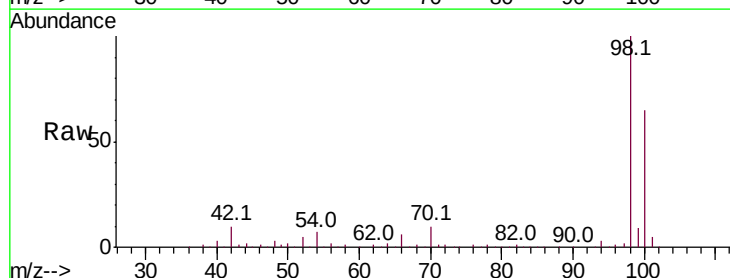
Acq: 16 Jul 2019 10:20

Tgt Ion: 98 Resp: 643888

Ion Ratio Lower Upper

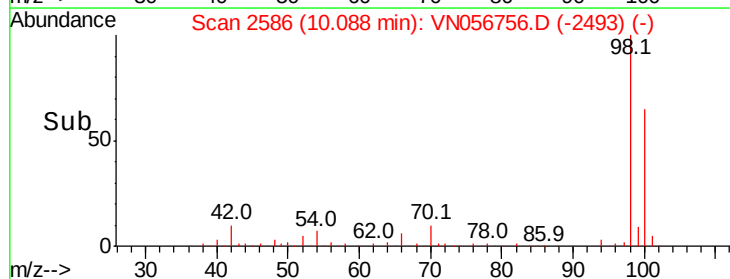
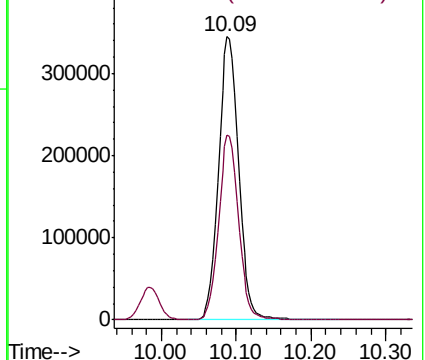
98 100

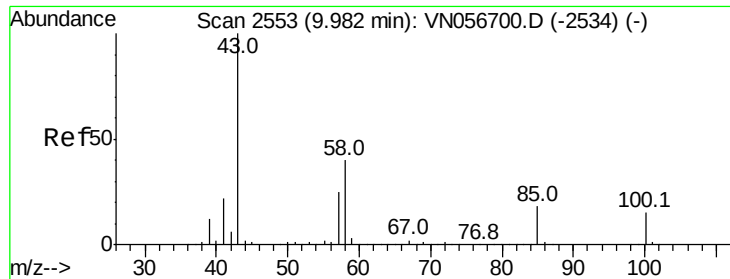
100 64.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 97.584 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 43 Resp: 480408

Ion Ratio Lower Upper

43 100

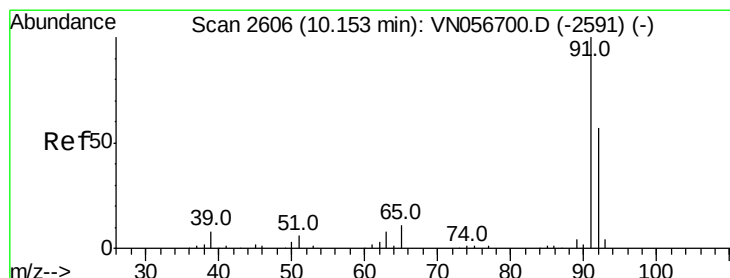
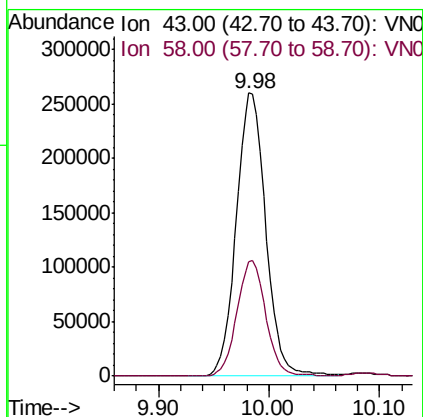
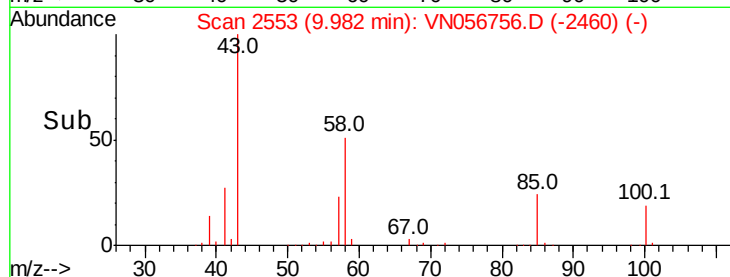
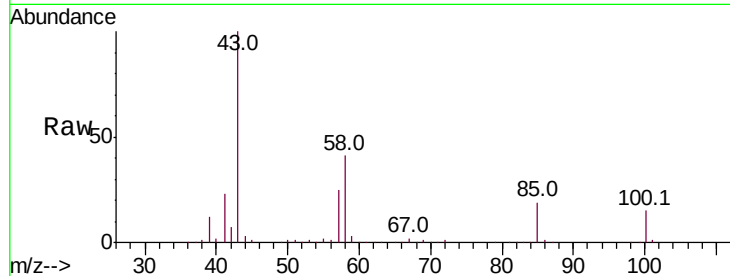
58 40.3 32.0 48.0

Manual Integrations

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#52

Toluene

Concen: 19.781 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056756.D

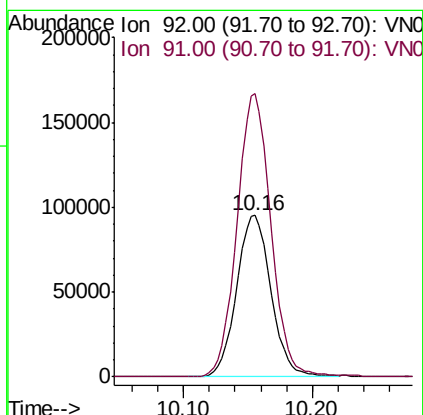
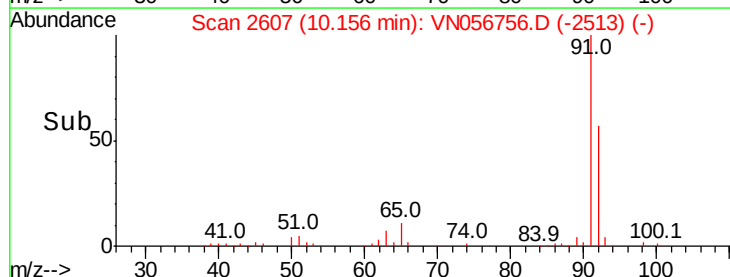
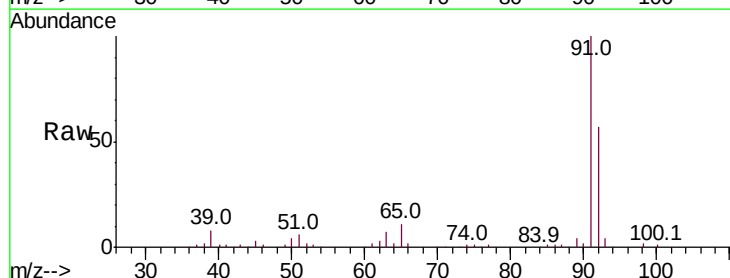
Acq: 16 Jul 2019 10:20

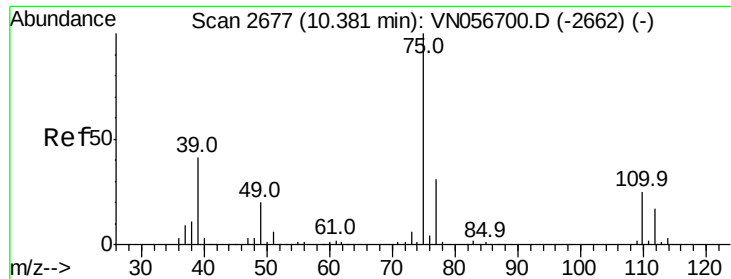
Tgt Ion: 92 Resp: 176576

Ion Ratio Lower Upper

92 100

91 174.0 139.9 209.9





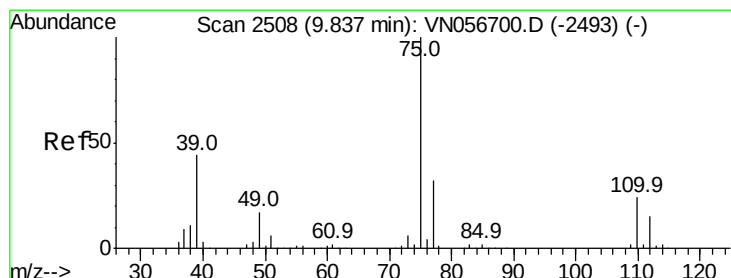
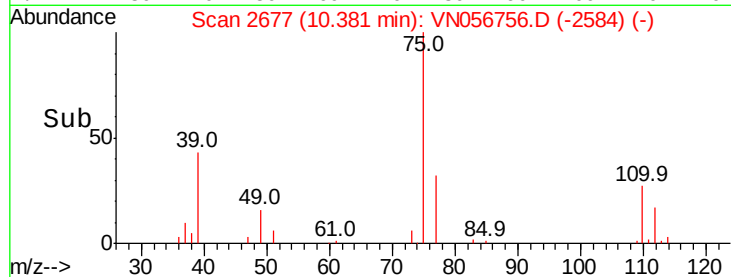
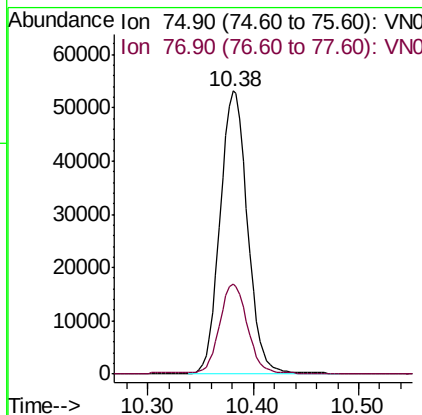
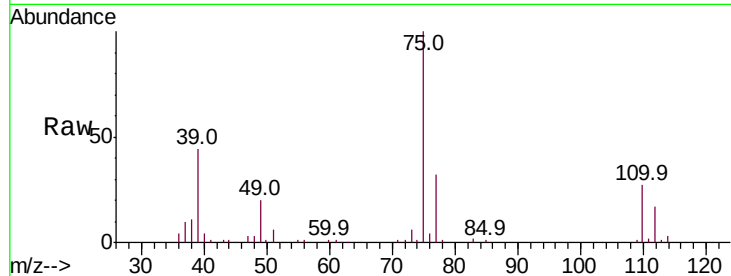
#53
t-1,3-Dichloropropene
Concen: 19.608 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion: 75 Resp: 96217
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

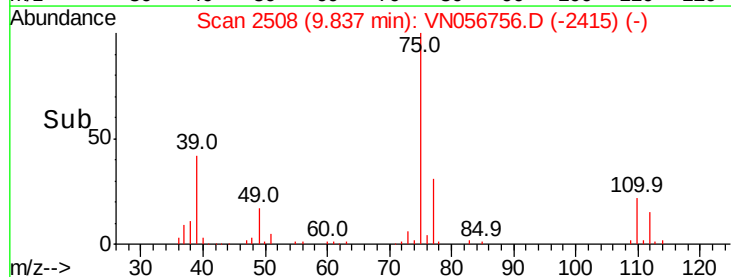
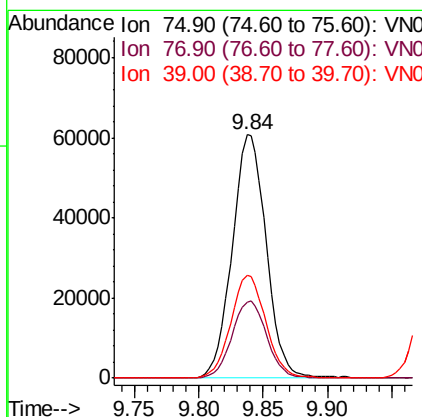
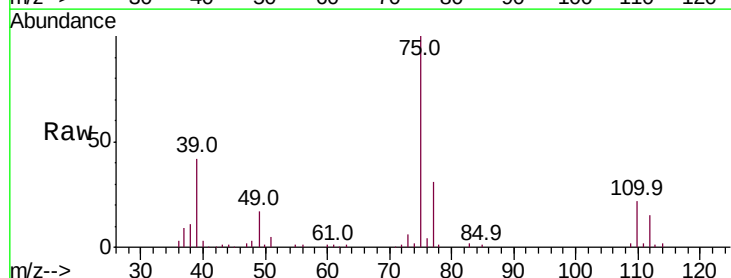
Manual Integrations
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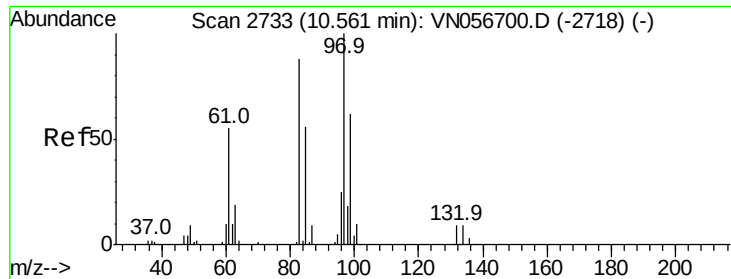
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#54
cis-1,3-Dichloropropene
Concen: 19.545 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion: 75 Resp: 111292
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0
39 42.4 35.1 52.7





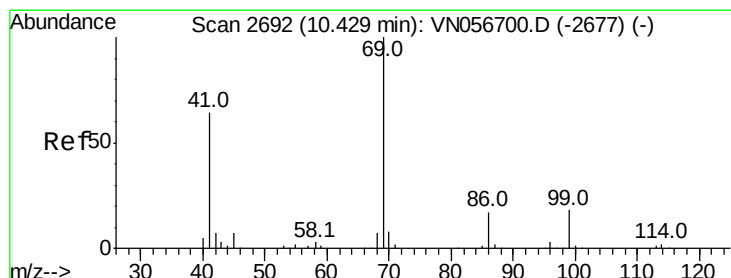
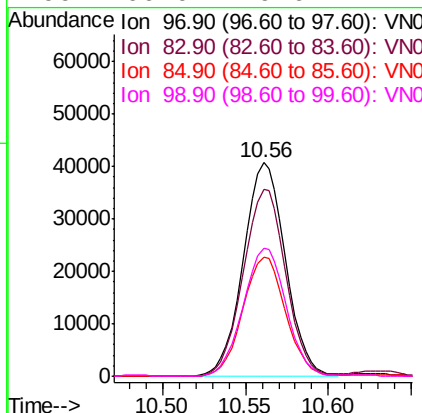
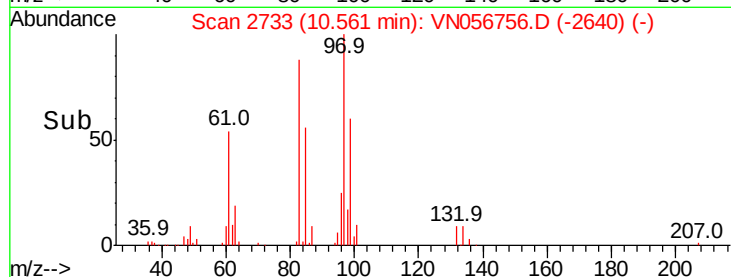
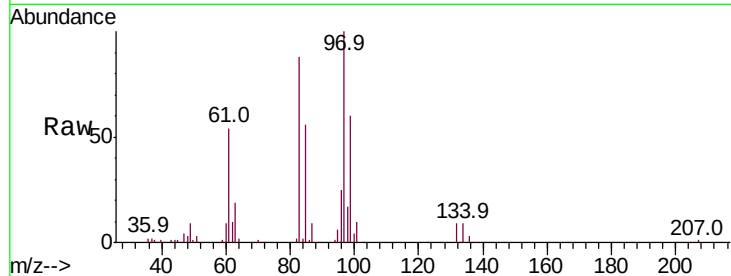
#55
 1,1,2-Trichloroethane
 Concen: 19.284 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	97	Resp	72200
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.3	105.5
85	56.0	44.8	67.2
99	60.0	49.6	74.4

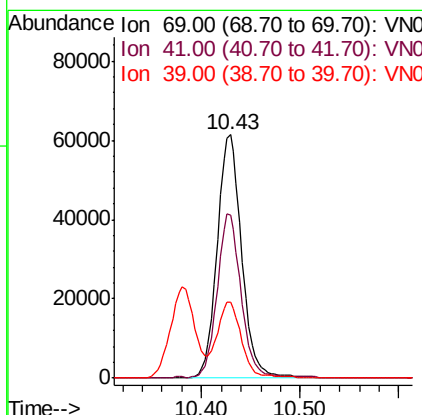
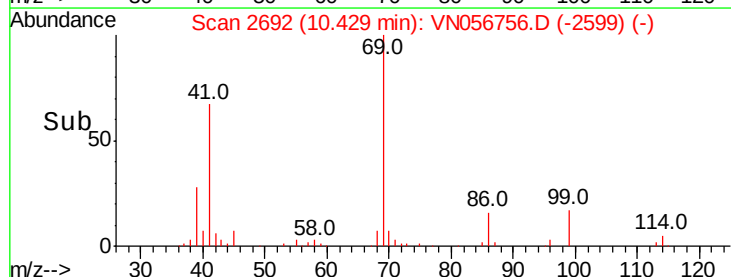
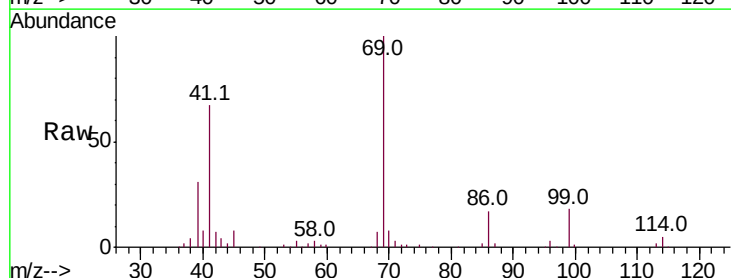
Manual Integrations
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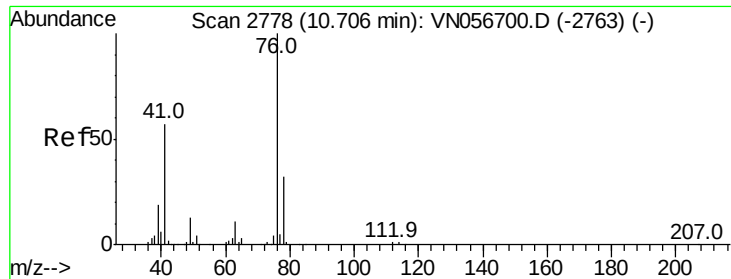
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#56
 Ethyl methacrylate
 Concen: 19.933 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	69	Resp	107385
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.0	76.4
39	30.4	24.6	36.8





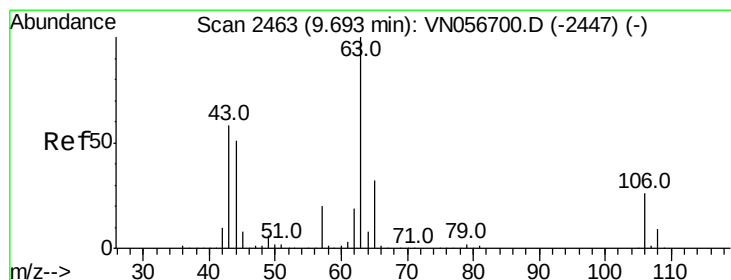
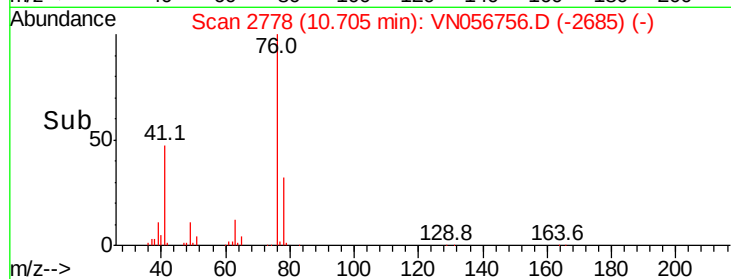
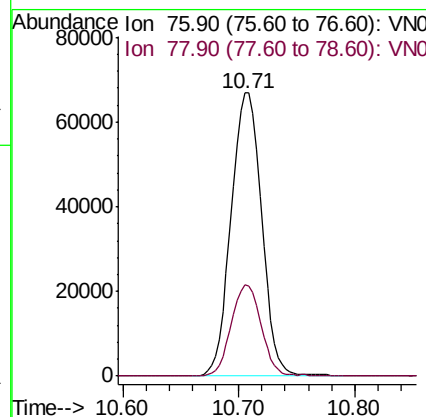
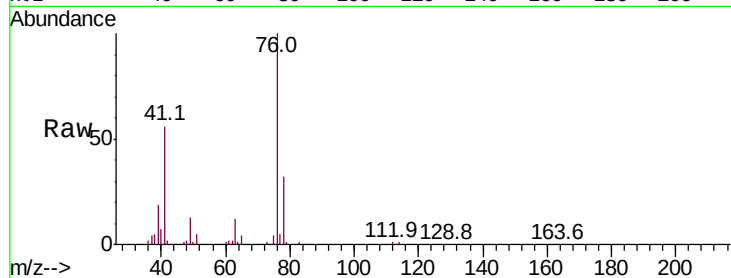
#57
 1,3-Dichloropropane
 Concen: 19.964 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.0	39.0

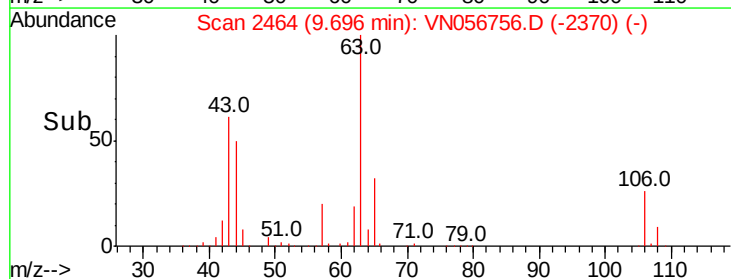
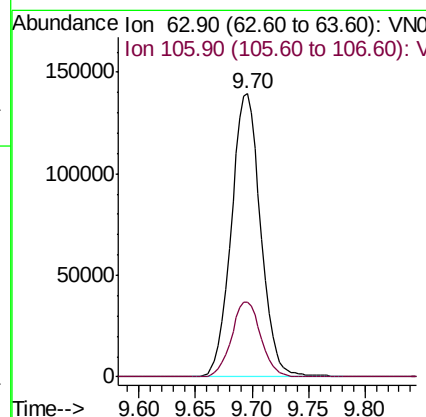
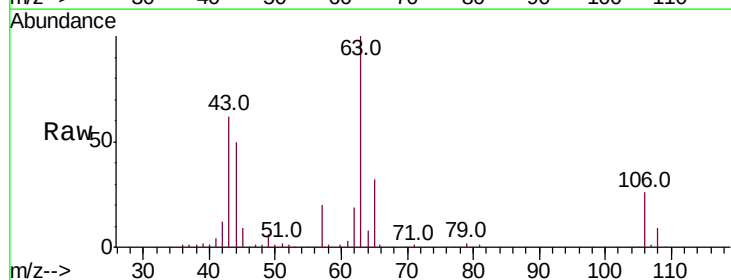
Manual Integrations
 APPROVED

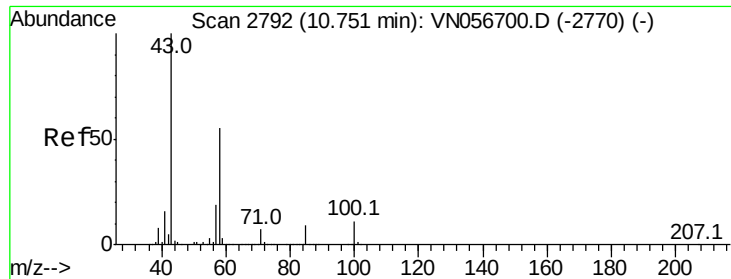
MMDadoda
 7/17/2019 4:57:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.386 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.2	31.8





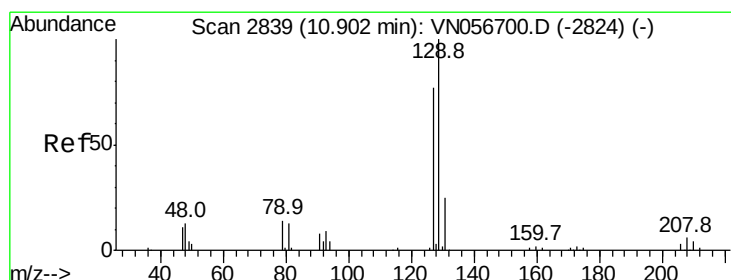
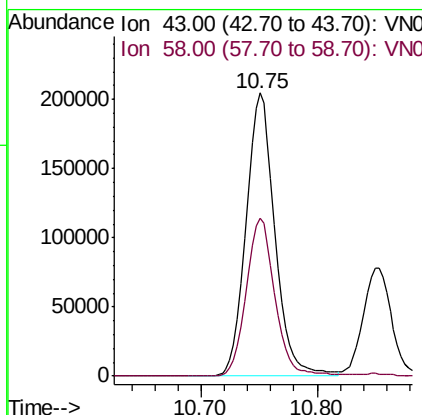
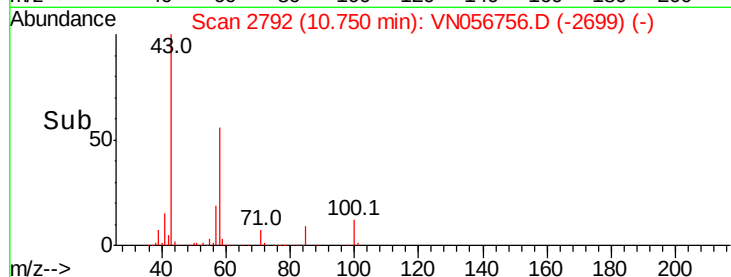
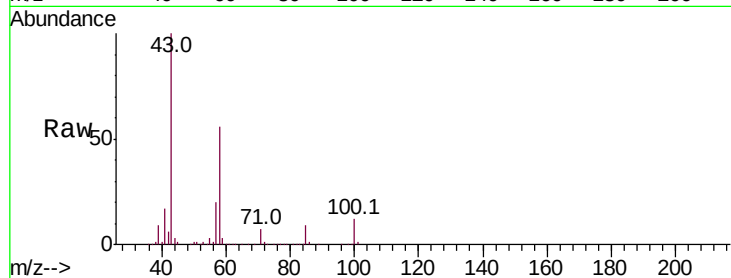
#59
2-Hexanone
Concen: 100.246 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion: 43 Resp: 354112
Ion Ratio Lower Upper
43 100
58 56.0 27.9 83.6

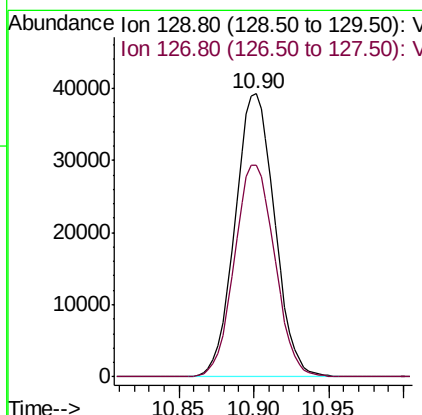
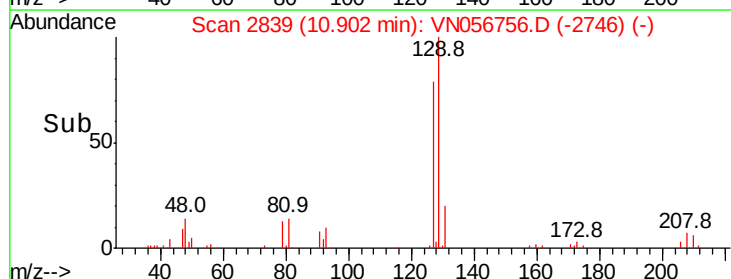
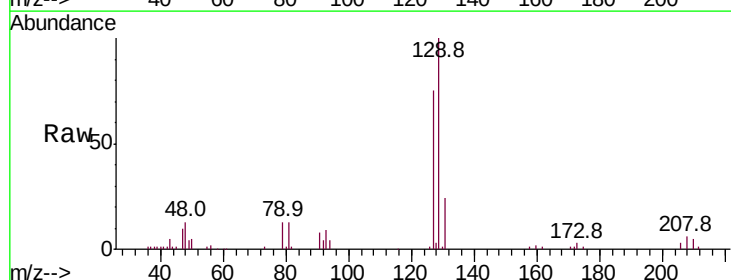
Manual Integrations
APPROVED

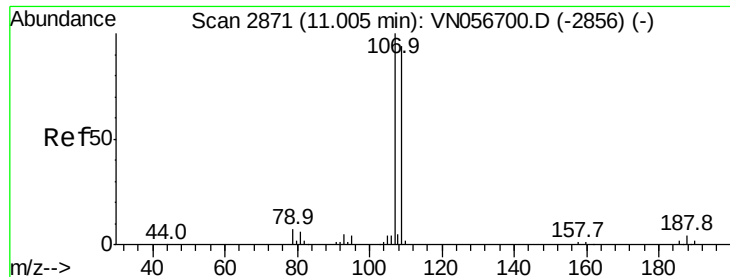
MMDadoda
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#60
Dibromochloromethane
Concen: 19.627 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion: 129 Resp: 72271
Ion Ratio Lower Upper
129 100
127 76.3 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.968 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion:107 Resp: 74300

Ion Ratio Lower Upper

107 100

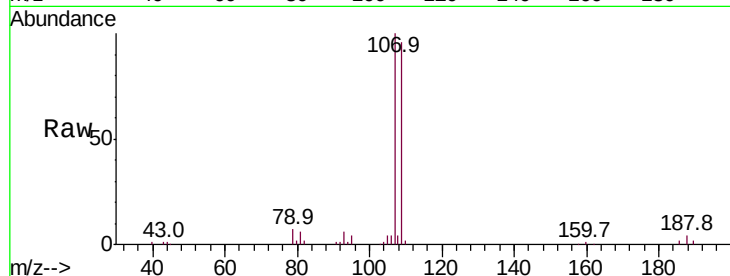
109 97.3 76.2 114.4

Manual Integrations

APPROVED

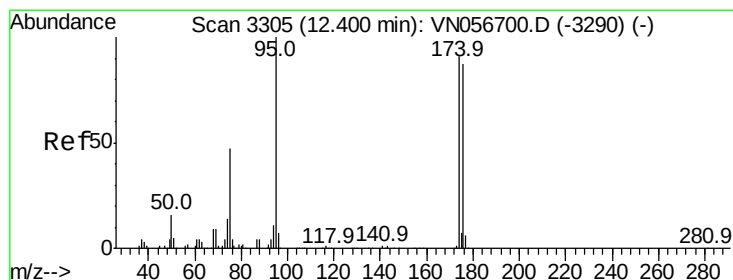
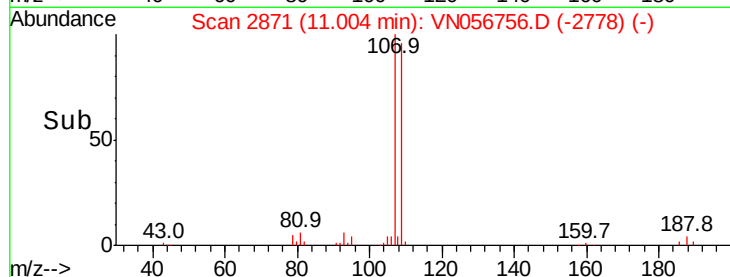
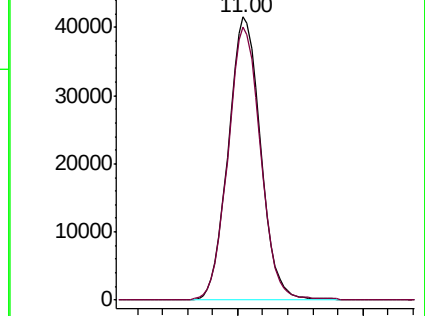
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.824 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

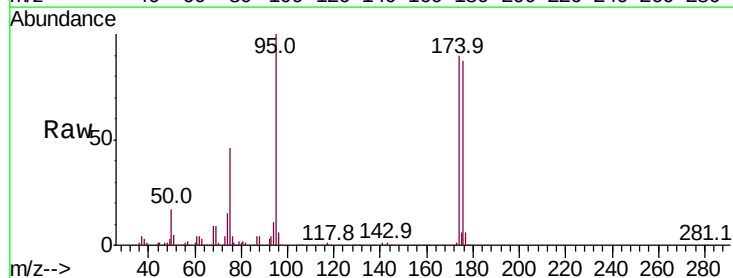
Tgt Ion: 95 Resp: 214094

Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

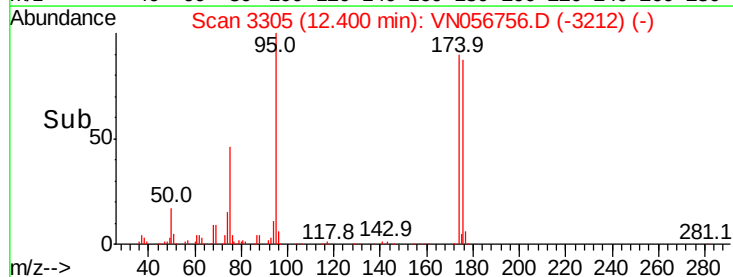
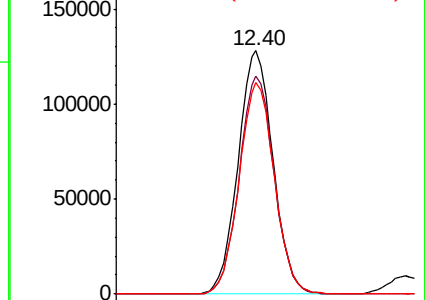
176 87.6 0.0 173.2

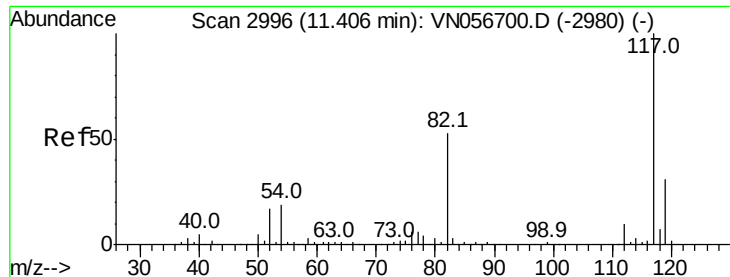


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





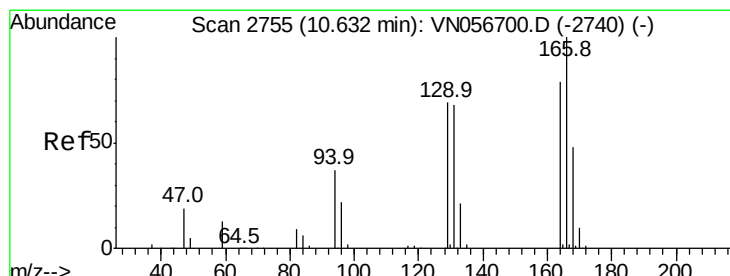
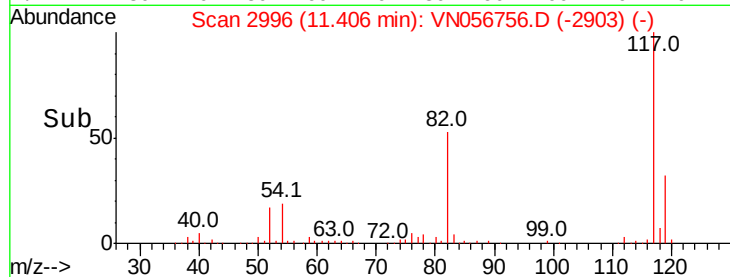
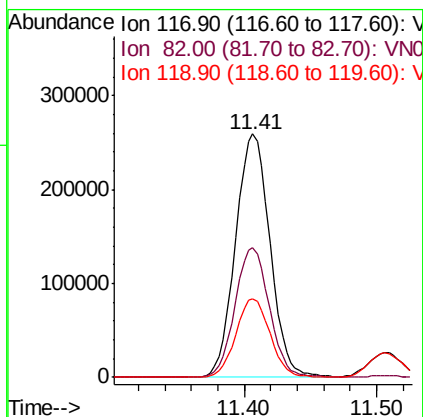
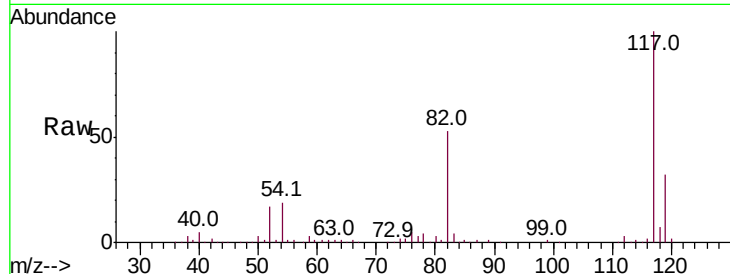
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.2
119	32.4	25.2	37.8

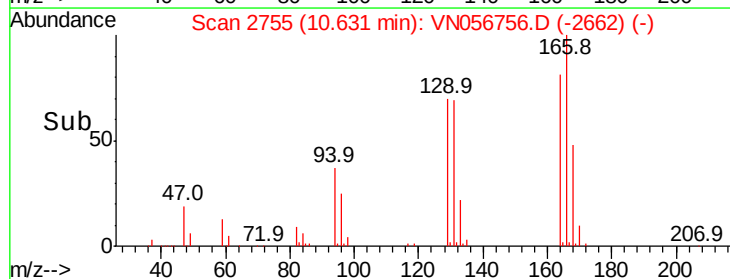
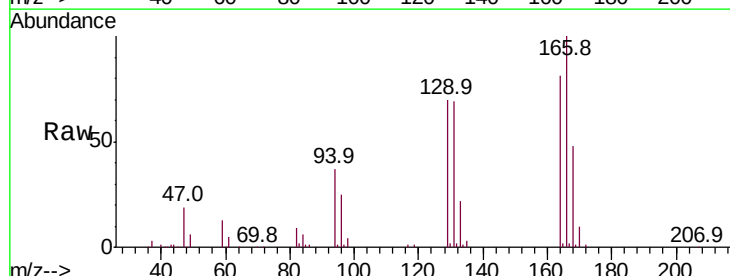
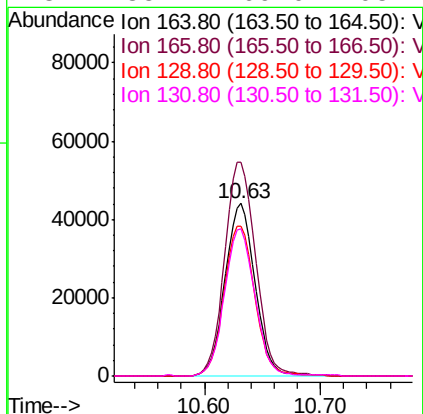
Manual Integrations
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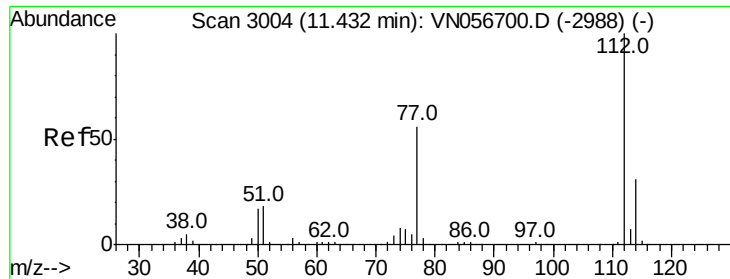
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#64
Tetrachloroethene
Concen: 19.521 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	101.4	152.2
129	87.2	69.6	104.4
131	85.1	69.0	103.4





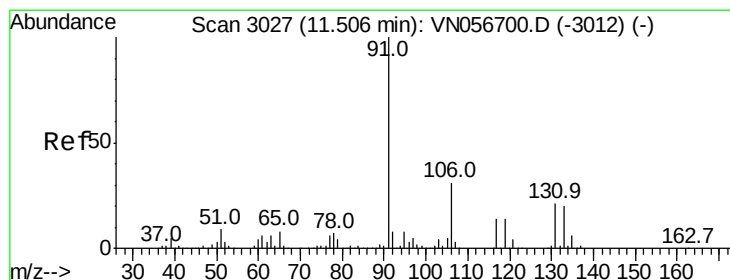
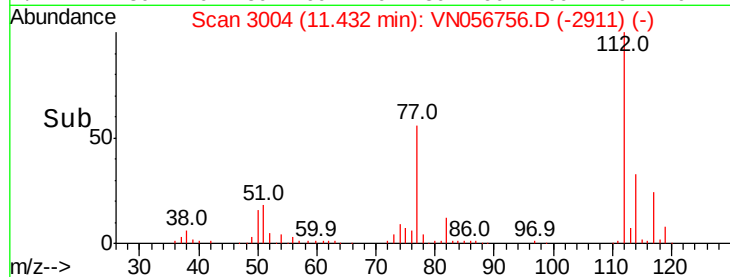
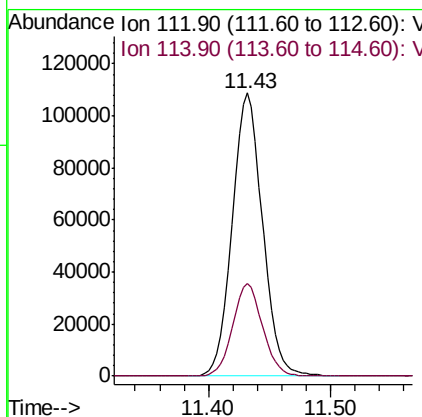
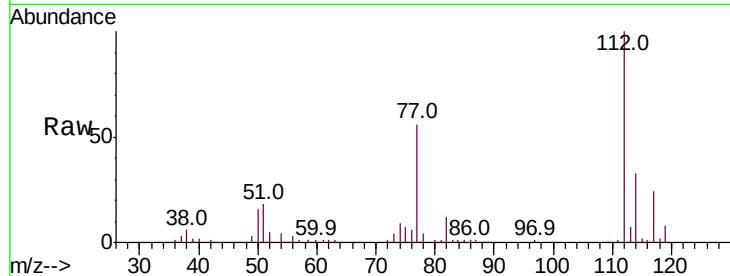
#65
Chlorobenzene
Concen: 19.584 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion:112 Resp: 187735
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

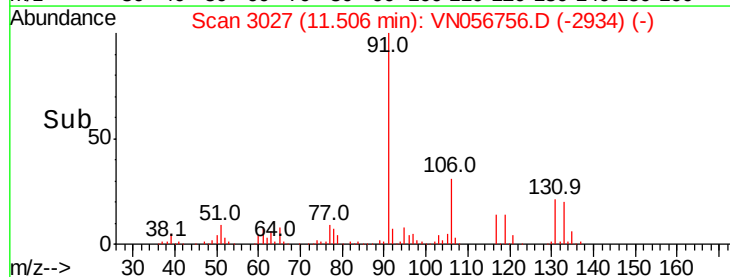
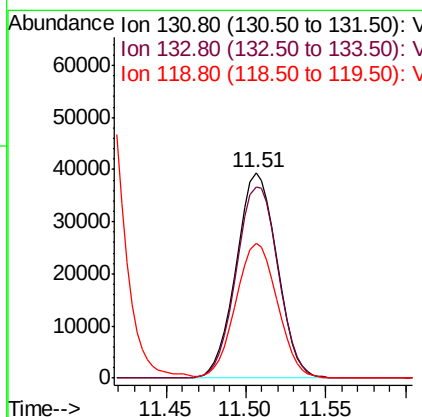
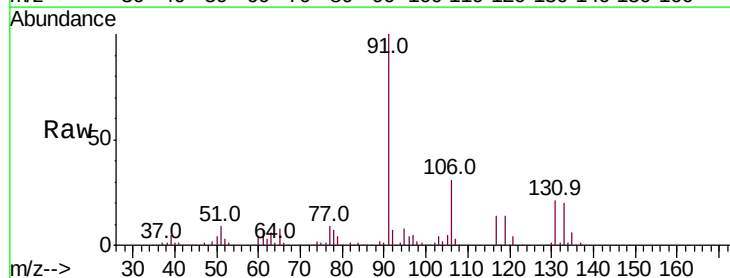
Manual Integrations
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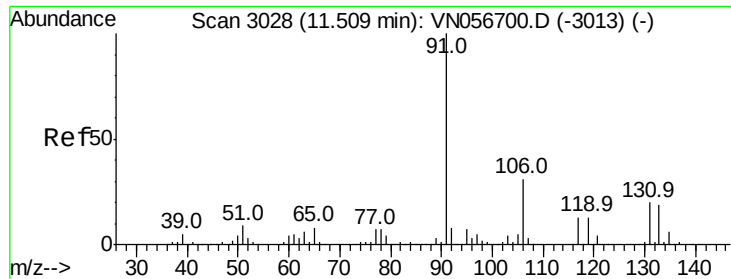
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.483 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion:131 Resp: 68765
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.7
119 66.8 32.8 98.3





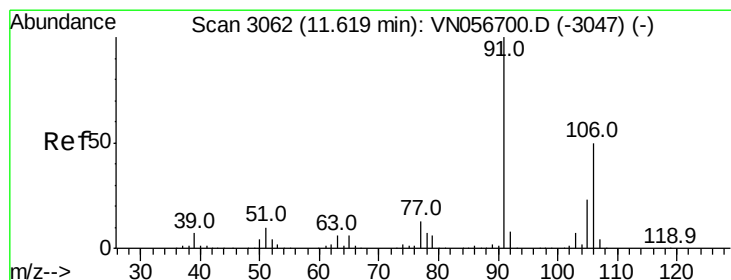
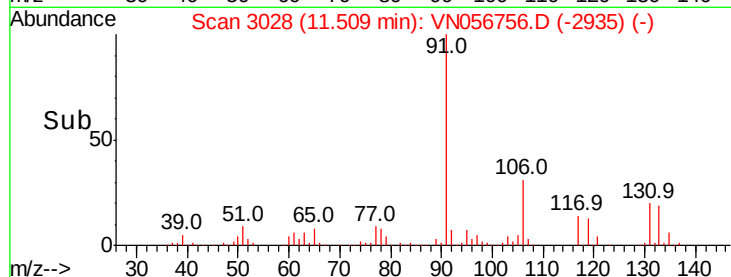
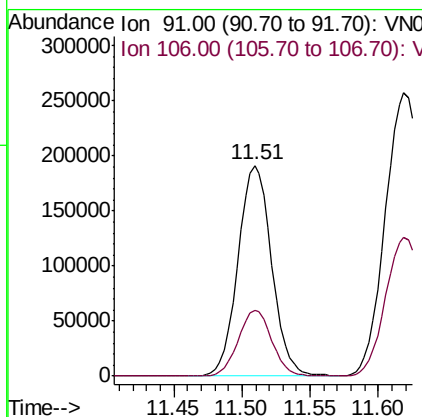
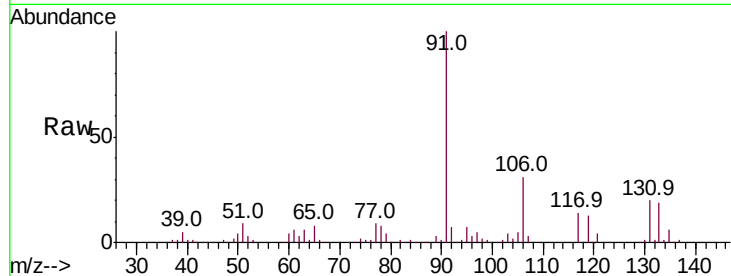
#67
Ethyl Benzene
Concen: 19.502 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion: 91 Resp: 328539
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

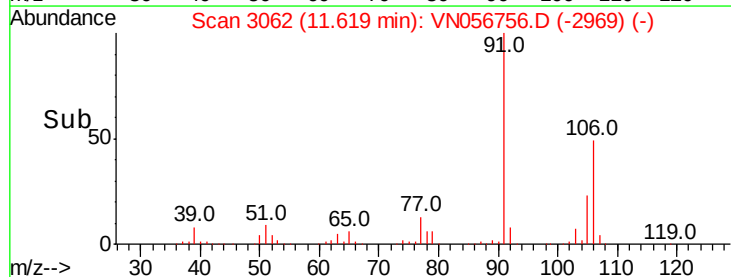
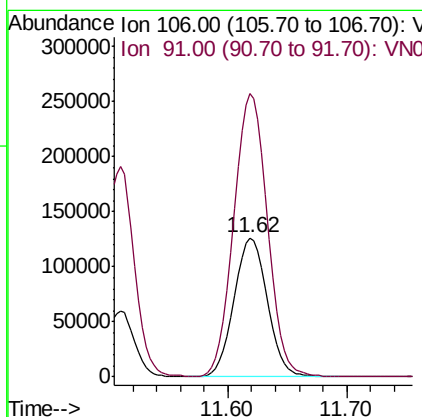
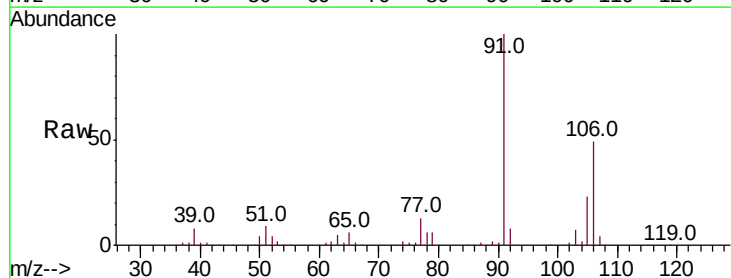
Manual Integrations
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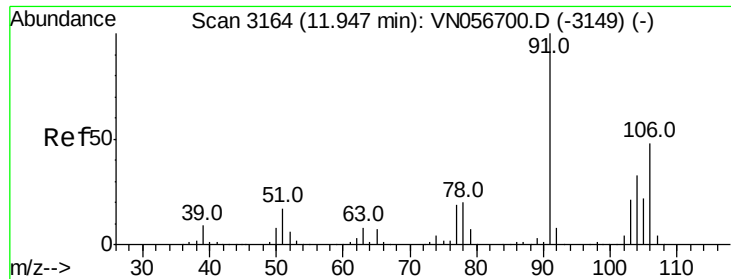
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#68
m/p-Xylenes
Concen: 39.043 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion: 106 Resp: 245813
Ion Ratio Lower Upper
106 100
91 204.6 160.5 240.7





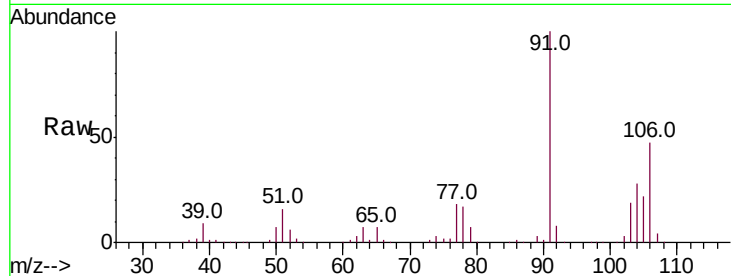
#69
o-Xylene
Concen: 19.541 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

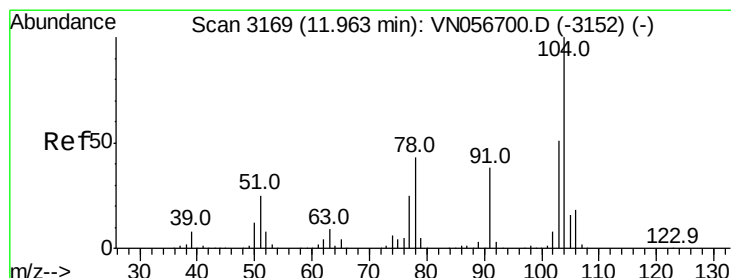
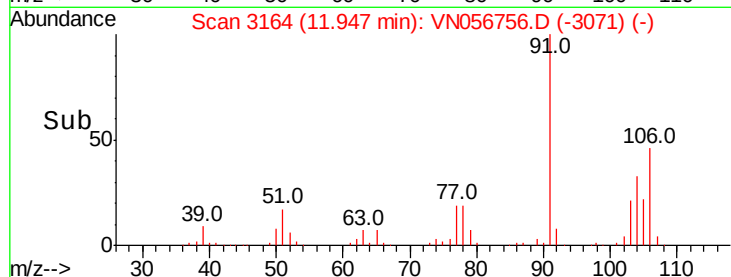
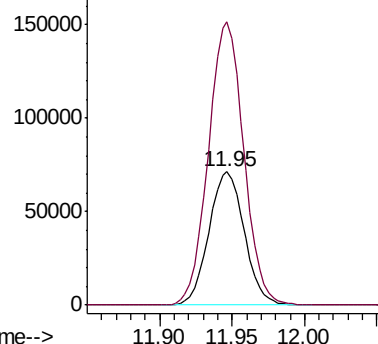
Tot Ion:106 Resp: 120955
Ion Ratio Lower Upper
106 100
91 211.9 105.6 316.8

Manual Integrations
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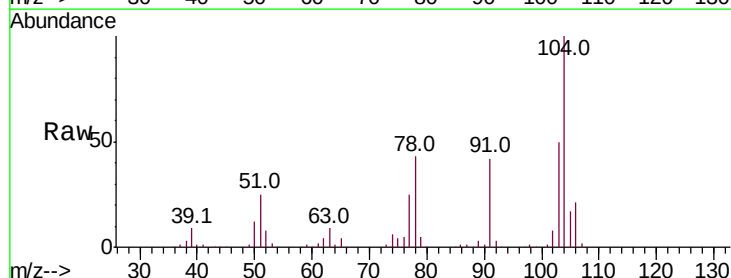


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

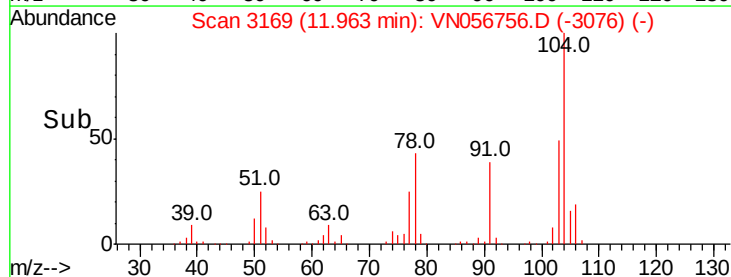
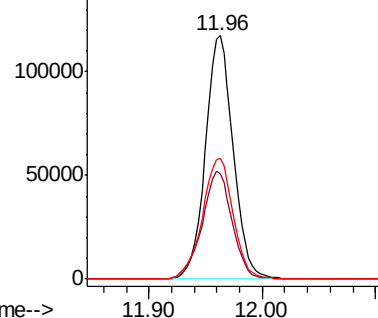


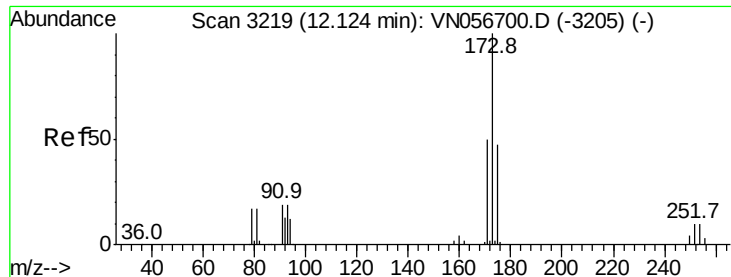
#70
Styrene
Concen: 20.034 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion:104 Resp: 200478
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 54.9 44.2 66.4



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





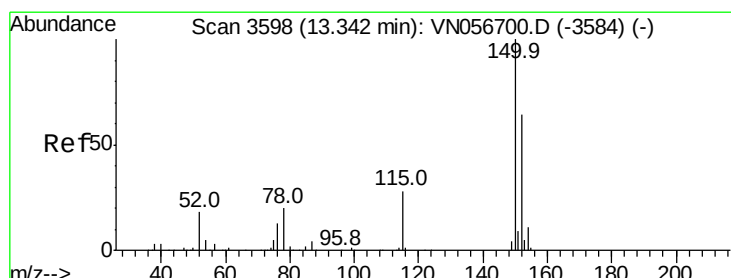
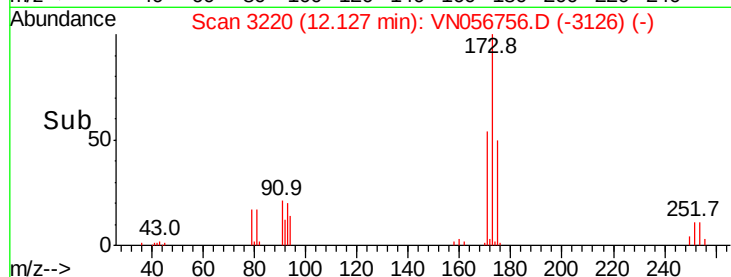
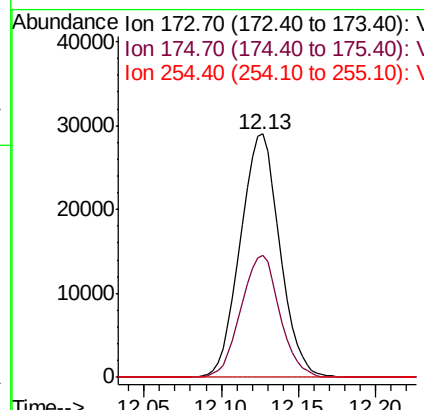
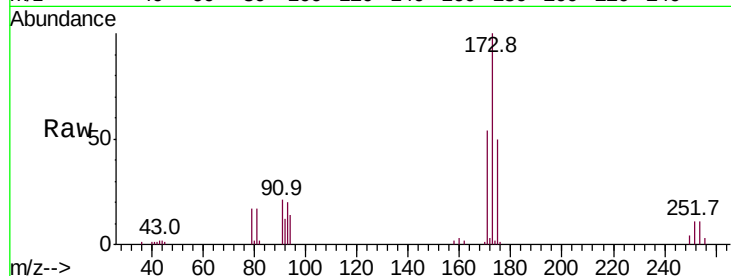
#71
Bromoform
Concen: 19.189 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.8	71.4
254	0.0	0.0	0.0

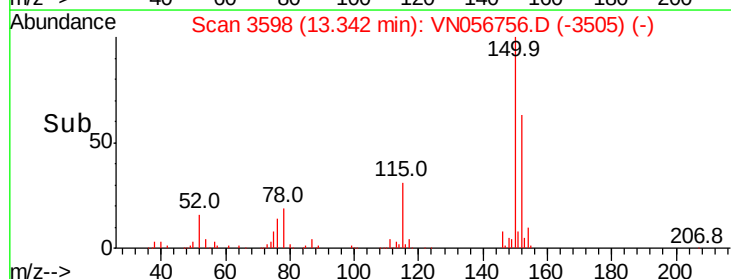
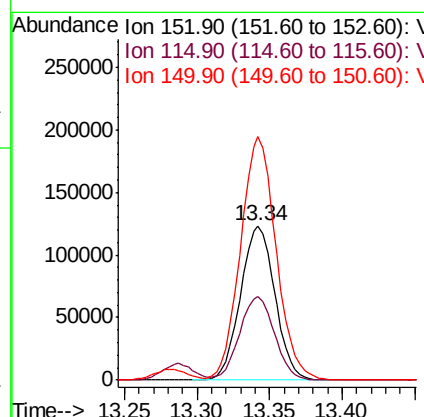
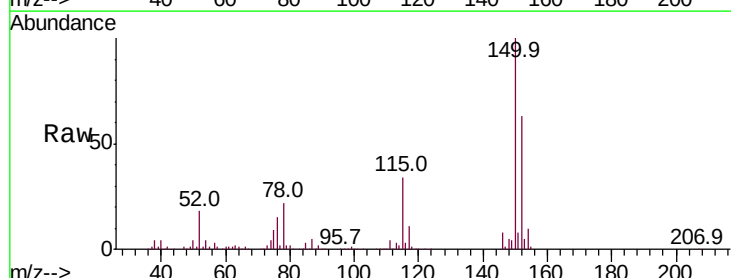
Manual Integrations
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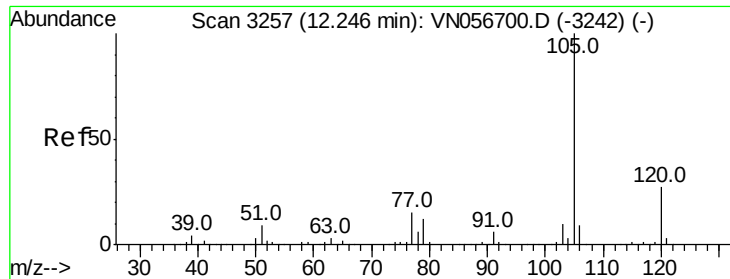
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.2	84.7
150	163.0	0.0	345.8





#73

Isopropylbenzene

Concen: 19.325 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

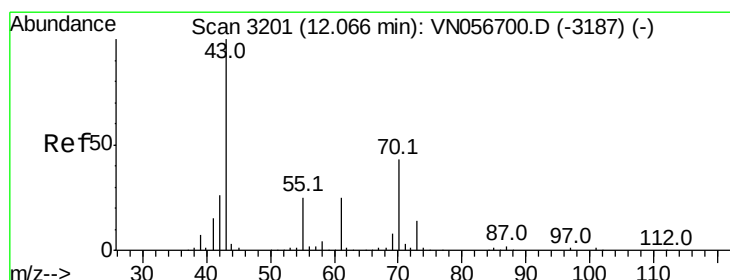
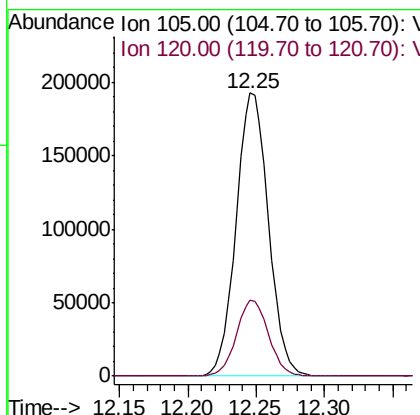
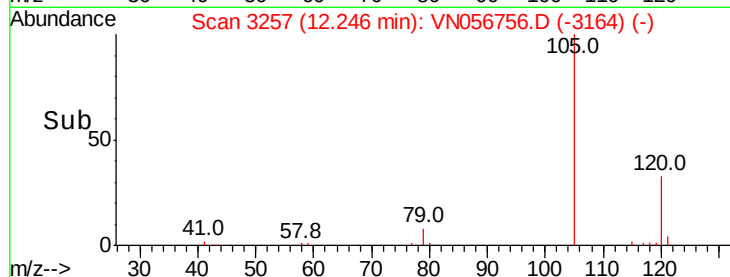
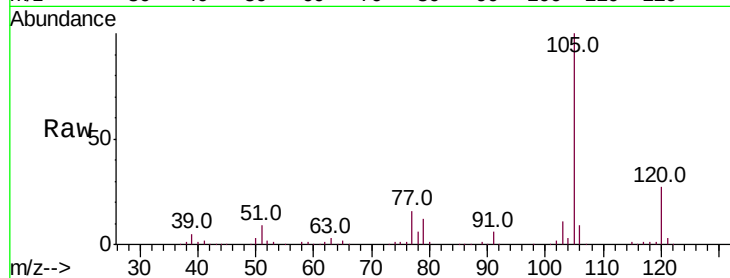
Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion:105 Resp: 316445

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.107 ug/l

RT: 12.07 min Scan# 3201

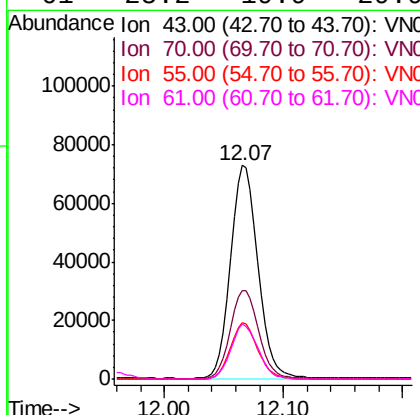
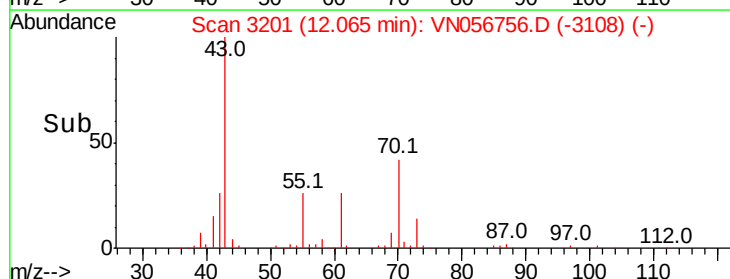
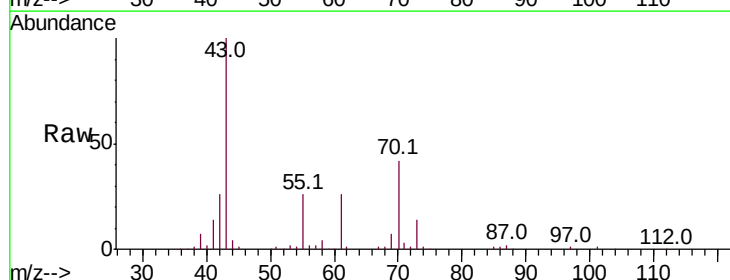
Delta R.T. -0.00 min

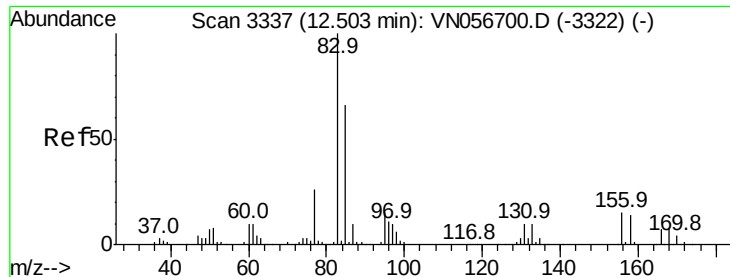
Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion: 43 Resp: 116526

Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.5	51.7
55	26.2	20.2	30.2
61	25.2	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.559 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

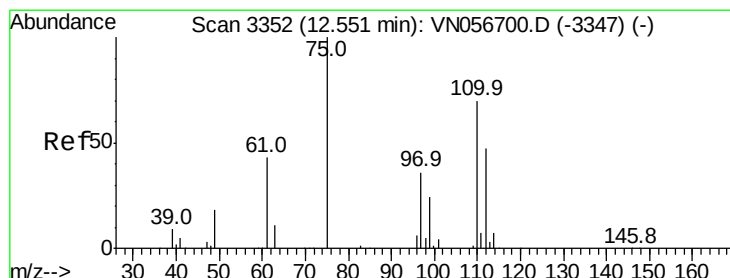
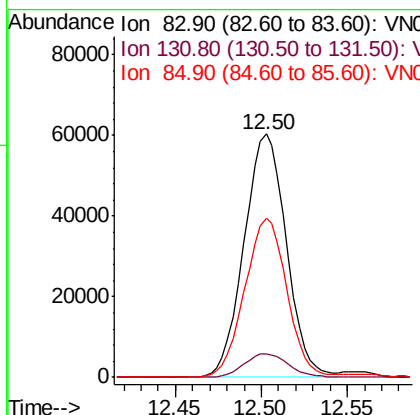
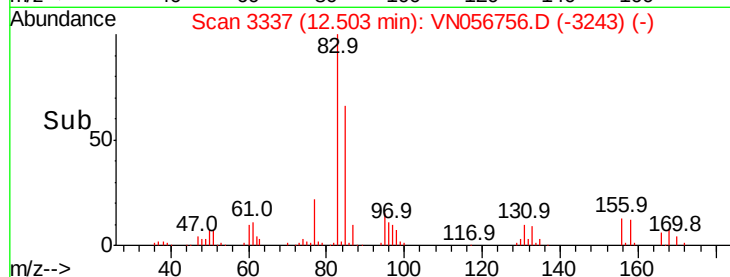
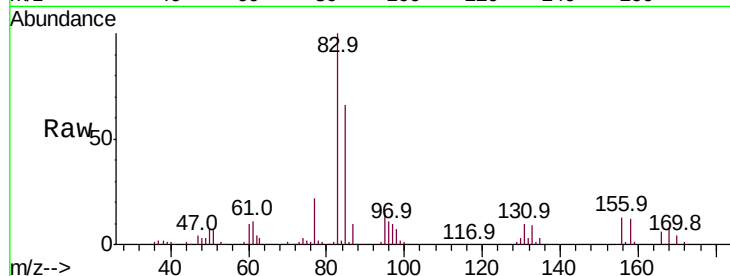
ClientSampleId :

VN0716WBS01

Tot Ion:	83	Resp:	102913
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	65.0	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.449 ug/l m

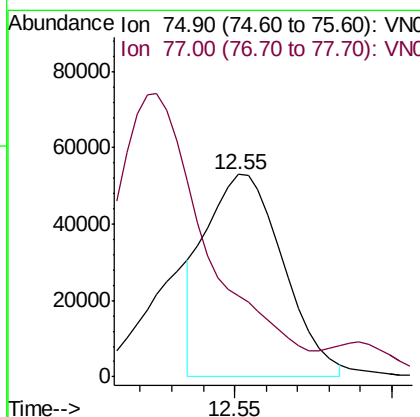
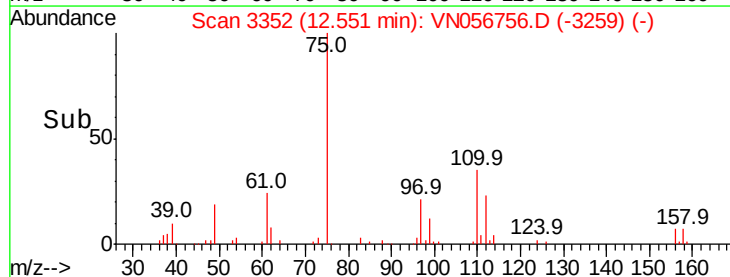
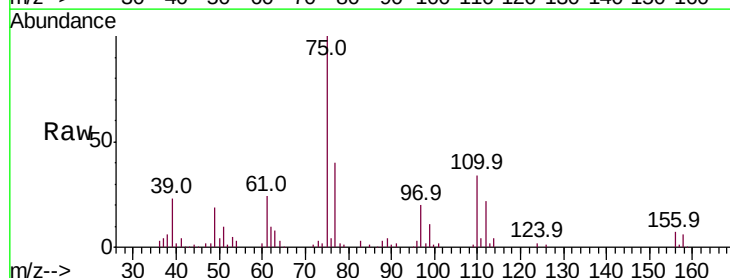
RT: 12.55 min Scan# 3352

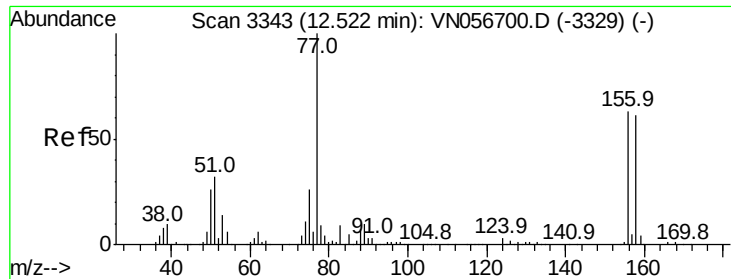
Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion:	75	Resp:	90833
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

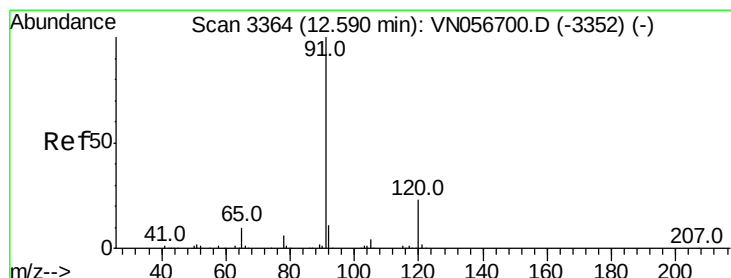
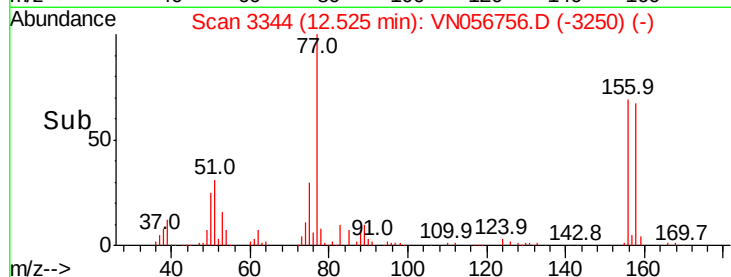
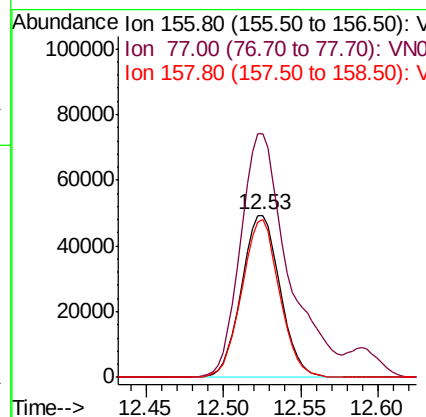
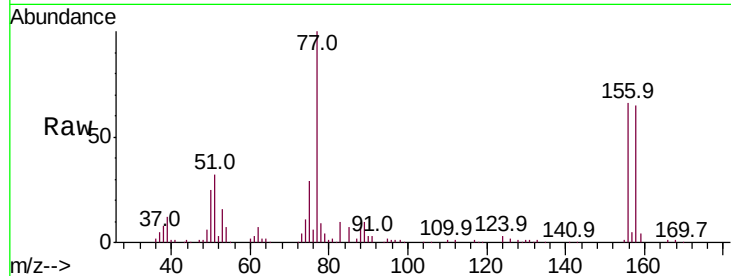
ClientSampleId :

VN0716WBS01

Tot Ion:	156	Resp:	85464
Ion	Ratio	Lower	Upper
156	100		
77	186.6	97.2	291.6
158	95.2	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.287 ug/l

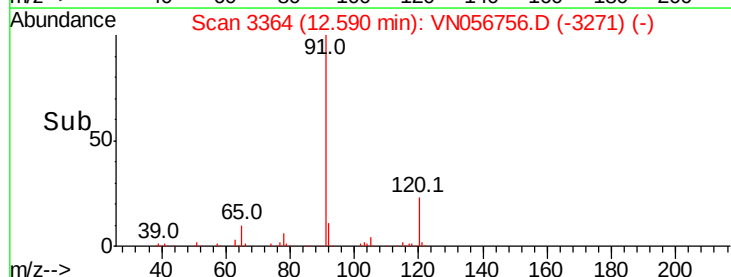
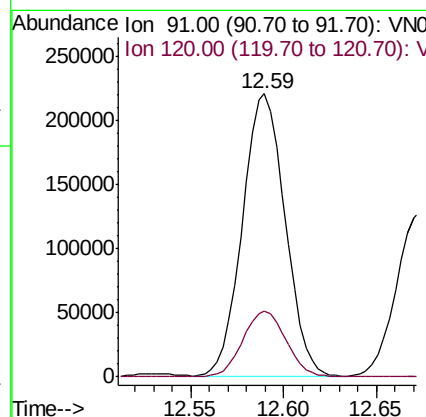
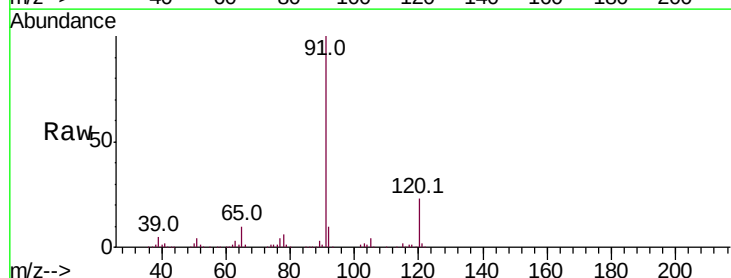
RT: 12.59 min Scan# 3364

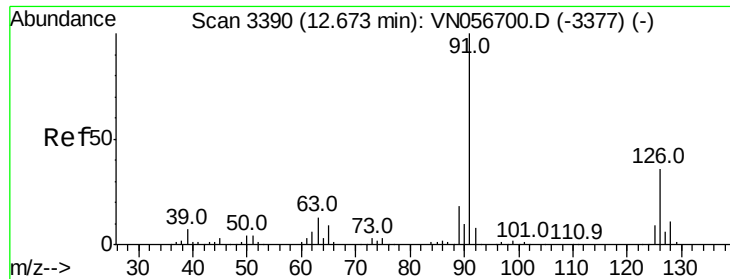
Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion:	91	Resp:	350623
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 20.188 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 91 Resp: 212637

Ion Ratio Lower Upper

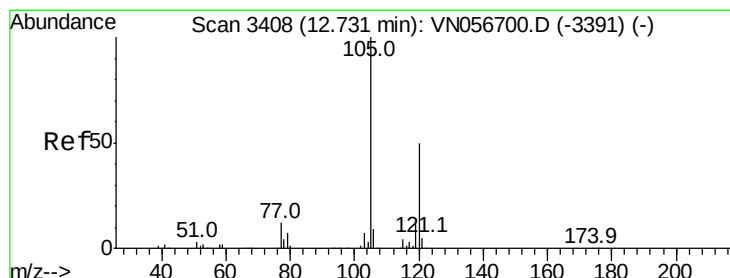
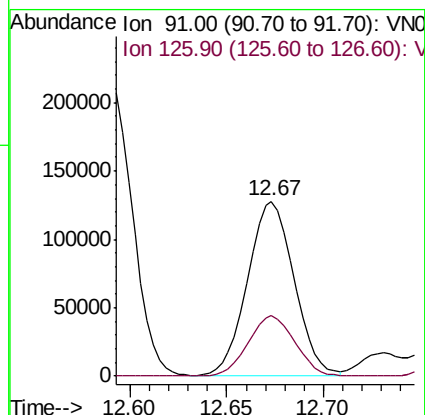
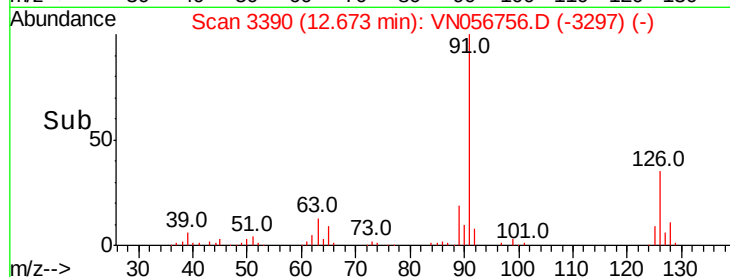
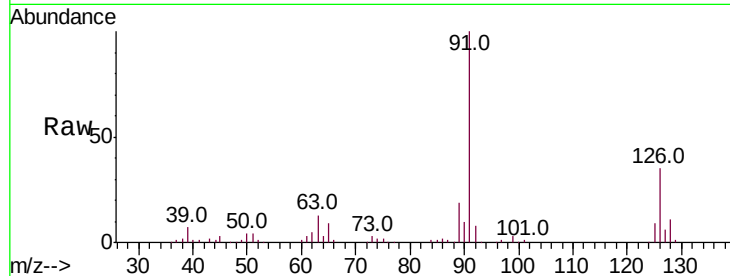
91 100

126 34.8 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.434 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056756.D

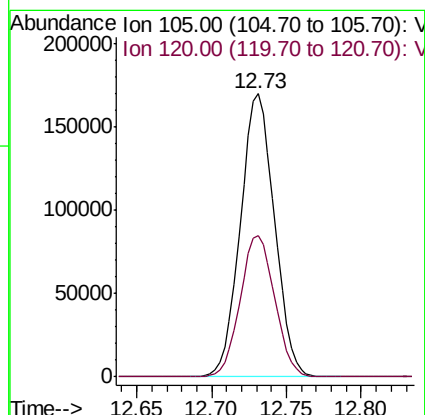
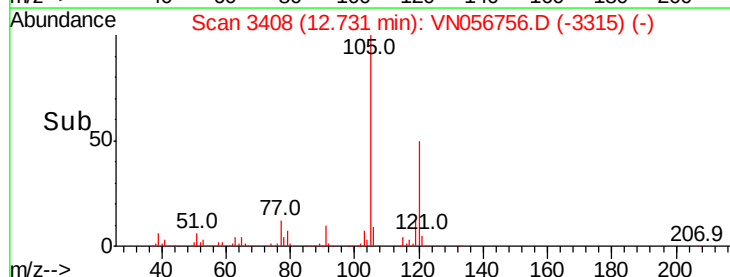
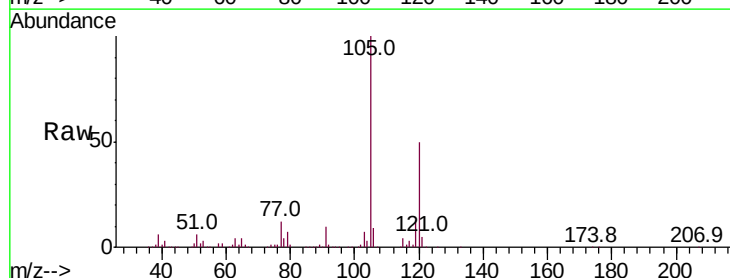
Acq: 16 Jul 2019 10:20

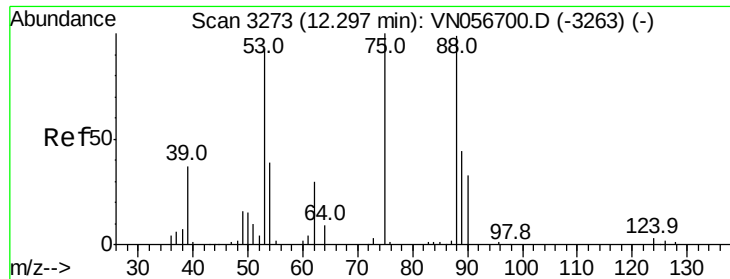
Tgt Ion: 105 Resp: 269720

Ion Ratio Lower Upper

105 100

120 50.4 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.658 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBS01

Tot Ion: 75 Resp: 28273

Ion Ratio Lower Upper

75 100

53 94.0 73.7 110.5

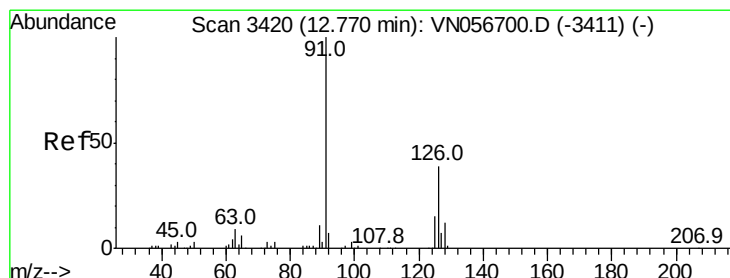
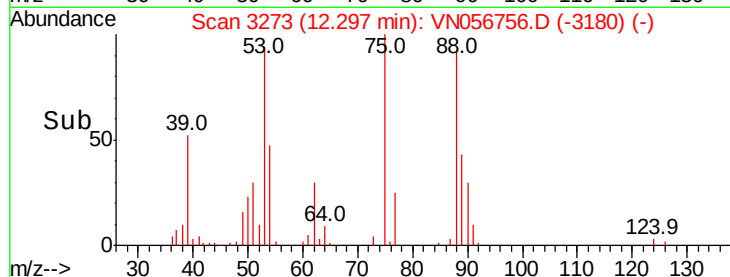
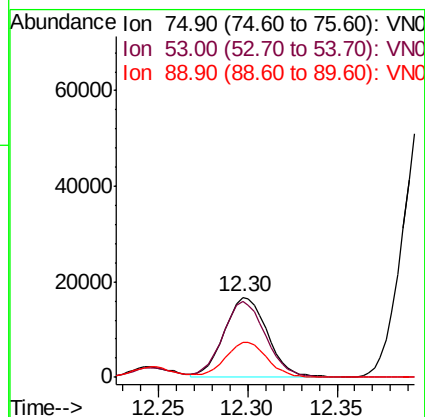
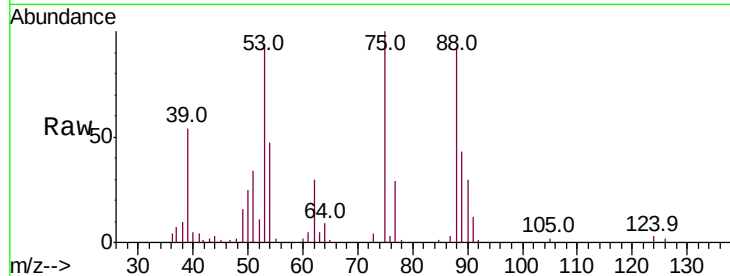
89 42.6 36.2 54.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.457 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056756.D

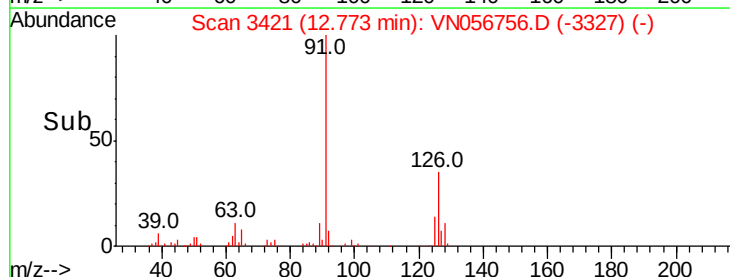
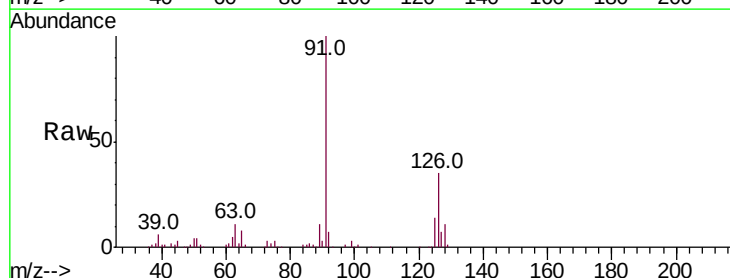
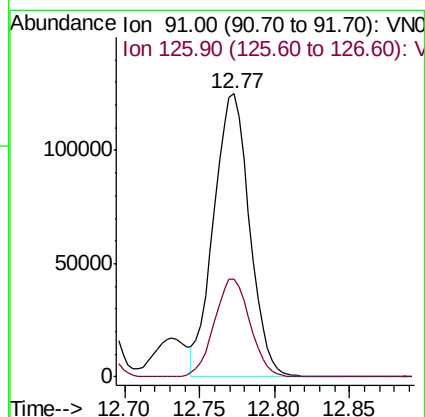
Acq: 16 Jul 2019 10:20

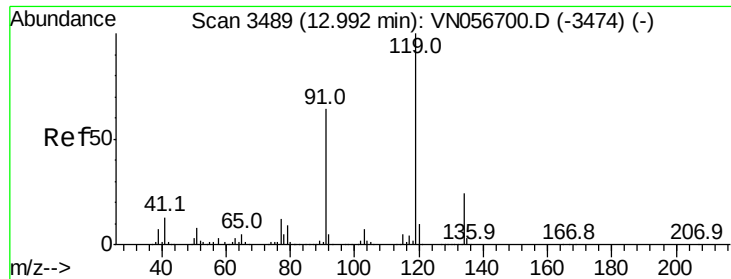
Tgt Ion: 91 Resp: 207577

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8





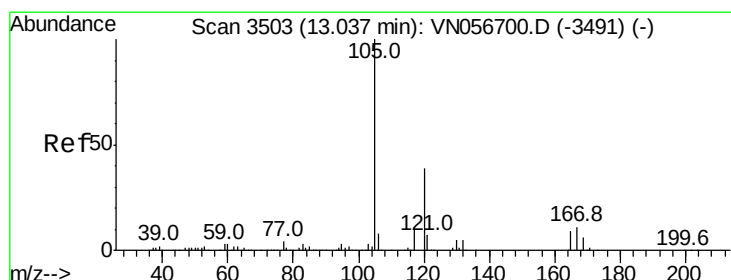
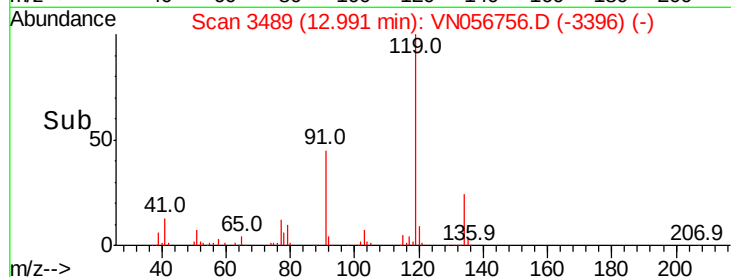
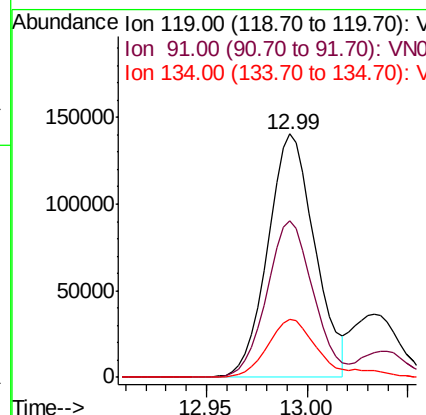
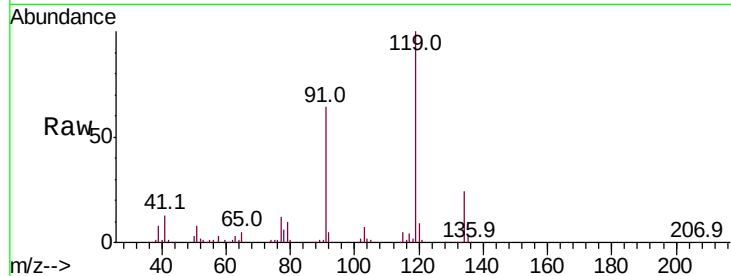
#83
 tert-Butylbenzene
 Concen: 20.160 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.8	95.4
134	26.6	13.0	38.9

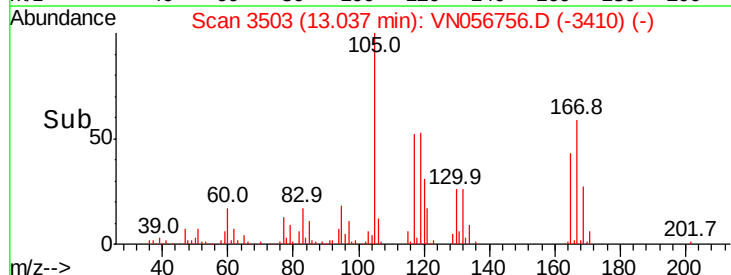
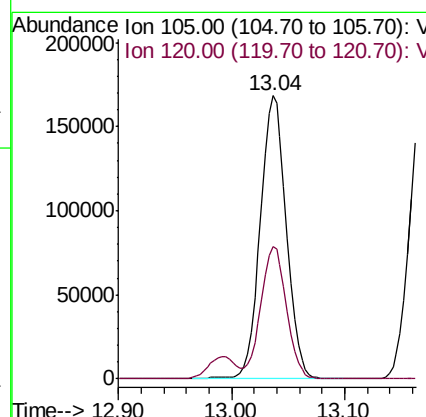
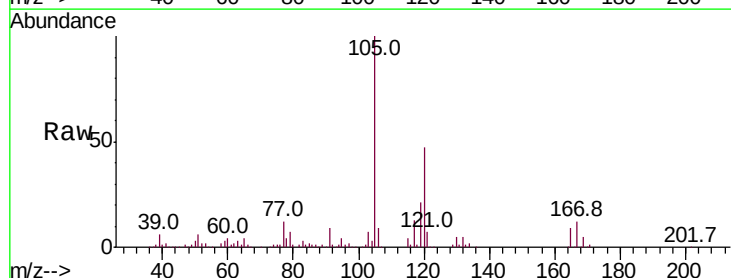
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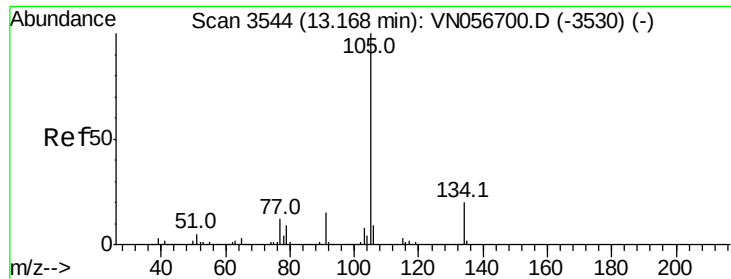
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.791 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.8





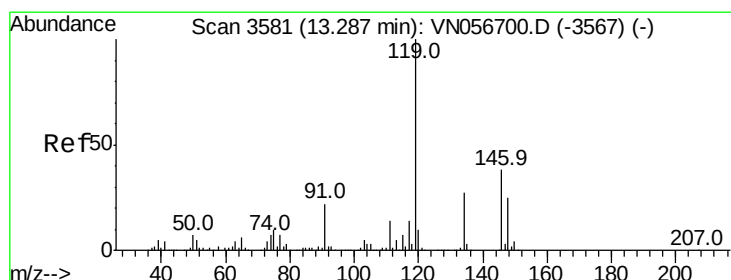
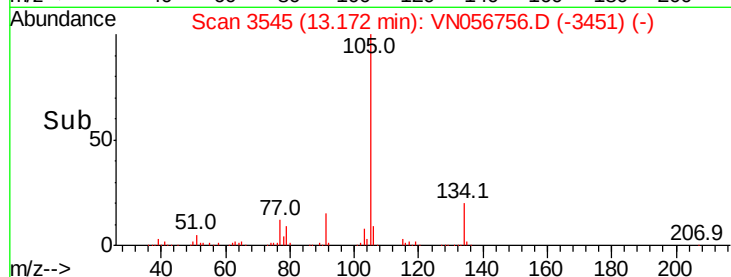
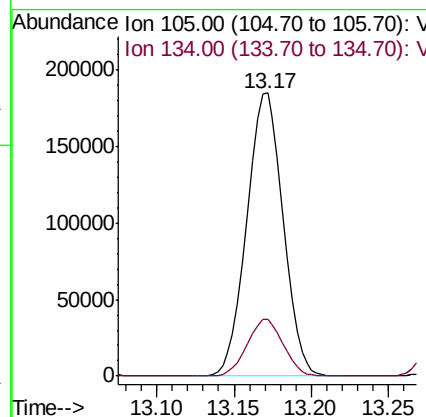
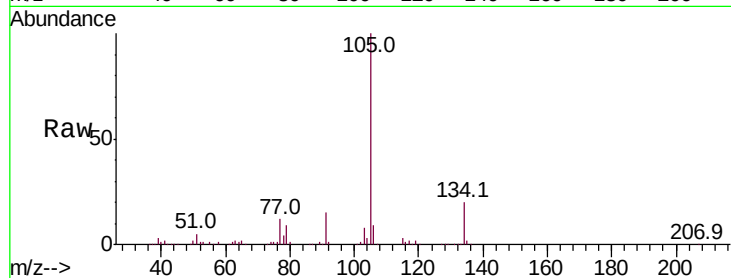
#85
 sec-Butylbenzene
 Concen: 19.625 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.1

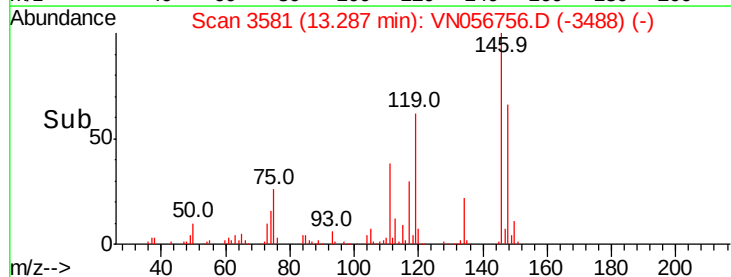
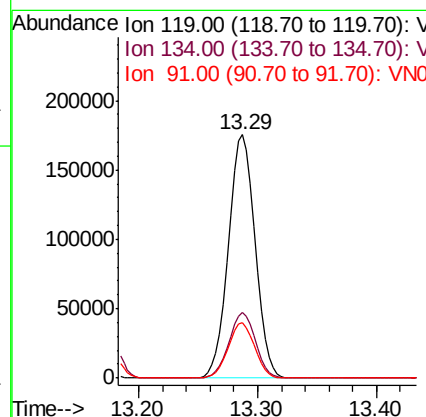
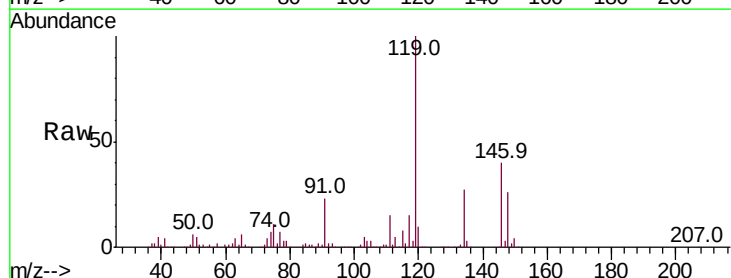
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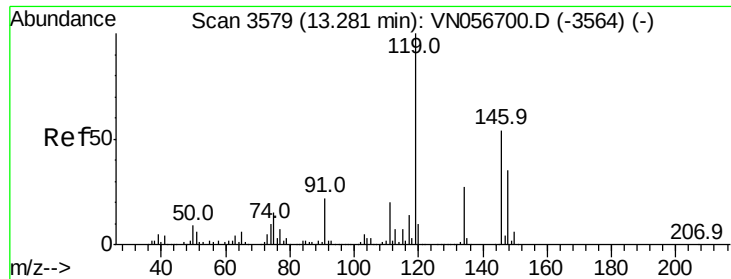
MMDadoda
 7/17/2019 4:57:21 PM



#86
 p-Isopropyltoluene
 Concen: 19.510 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.6	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 19.066 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056756.D

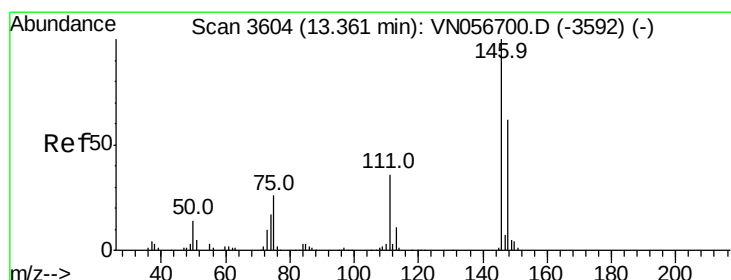
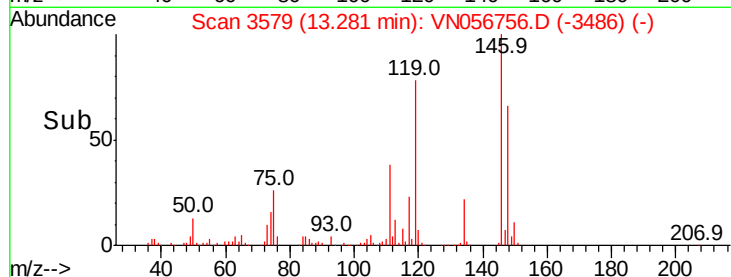
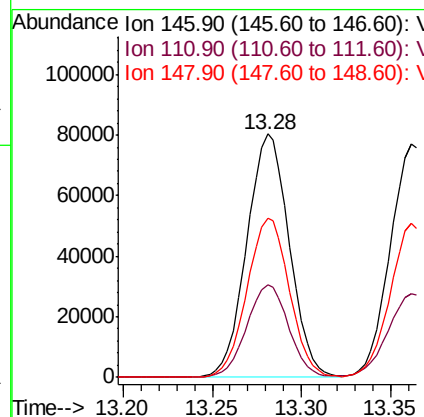
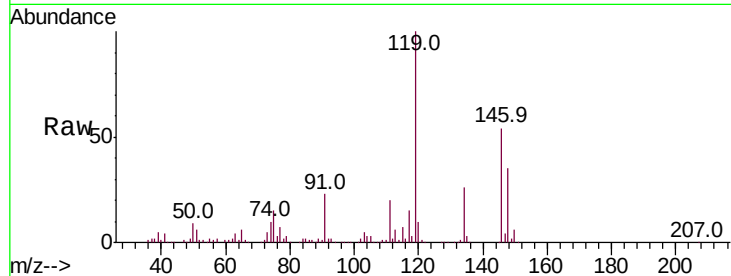
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	65.3	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.986 ug/l

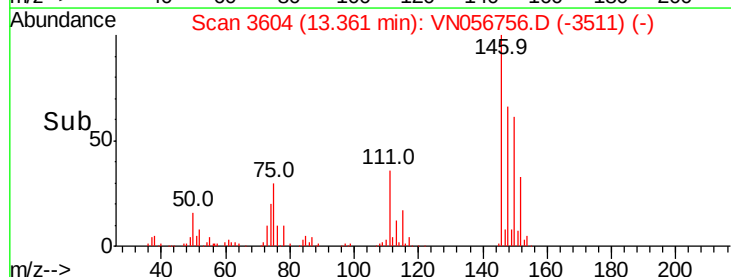
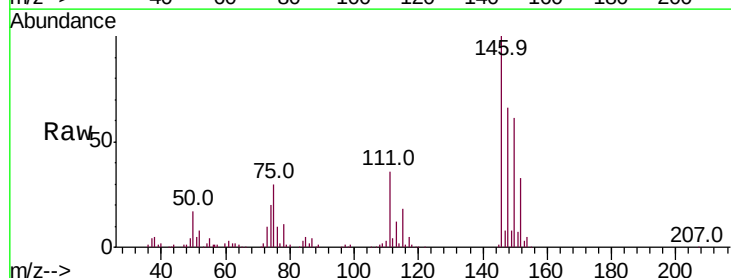
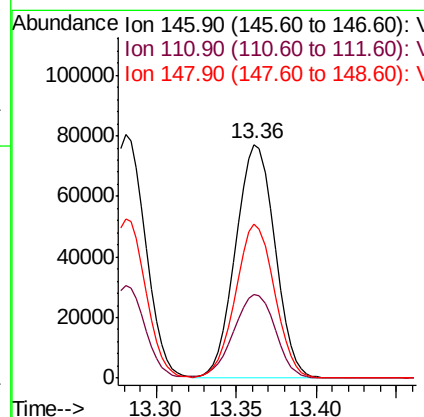
RT: 13.36 min Scan# 3604

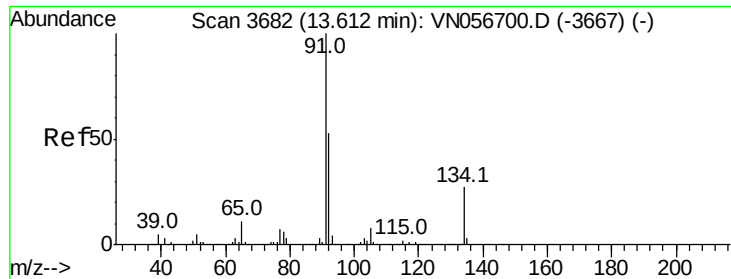
Delta R.T. -0.00 min

Lab File: VN056756.D

Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	65.3	31.9	95.7





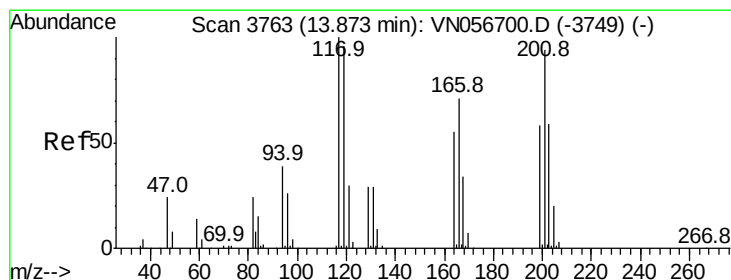
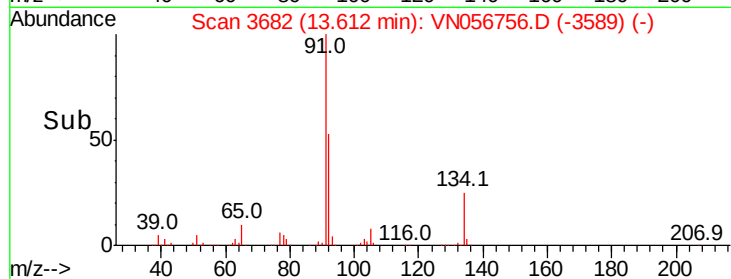
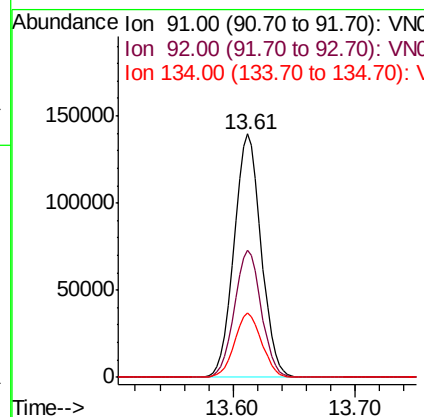
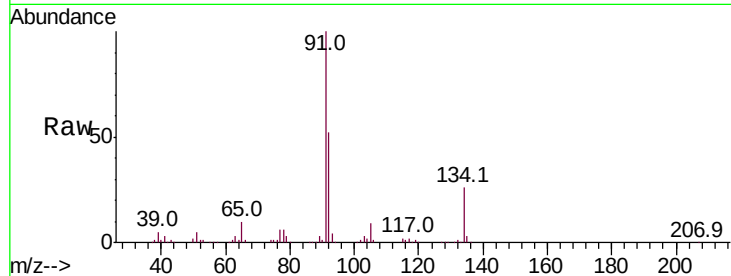
#89
n-Butylbenzene
Concen: 19.218 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	26.3	13.4	40.2

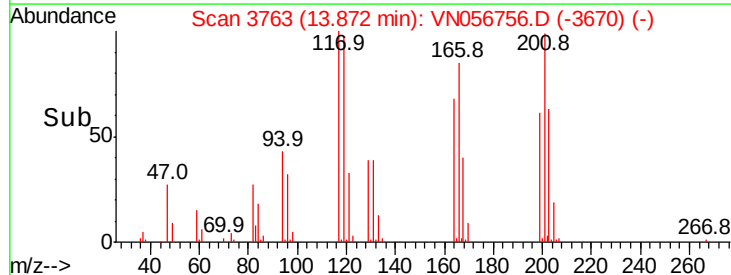
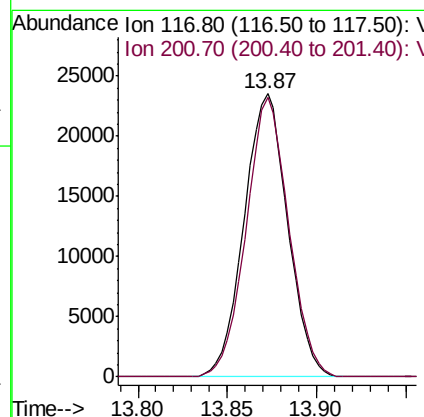
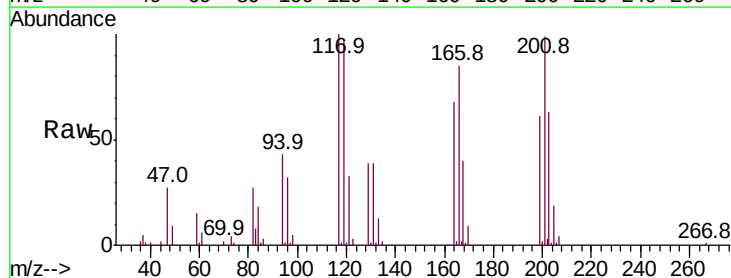
Manual Integrations
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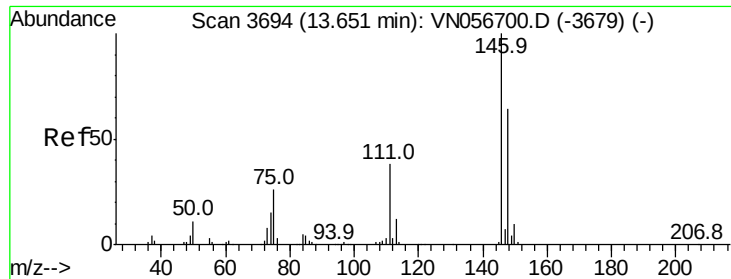
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#90
Hexachloroethane
Concen: 17.799 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	46.5	139.5





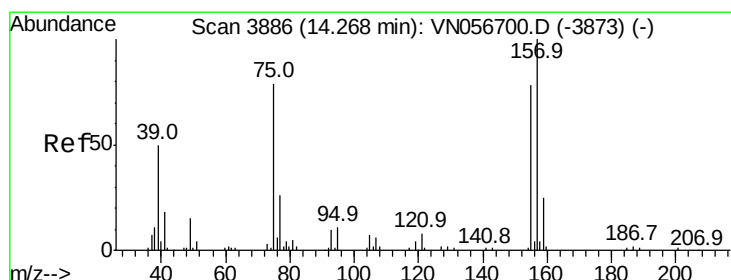
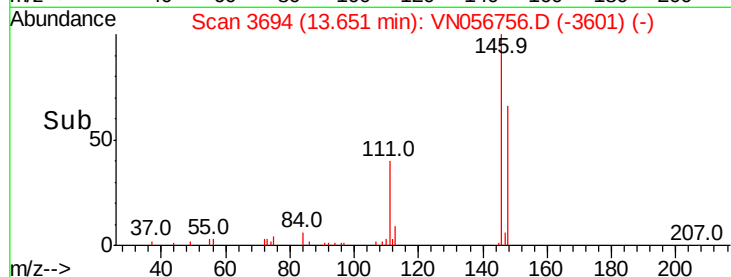
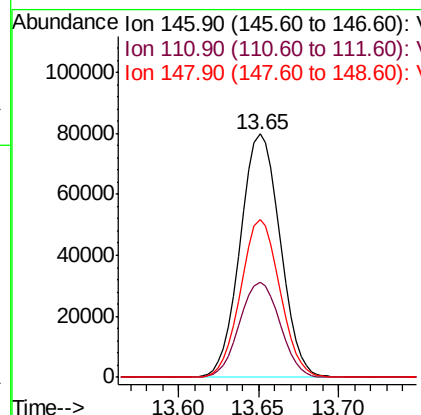
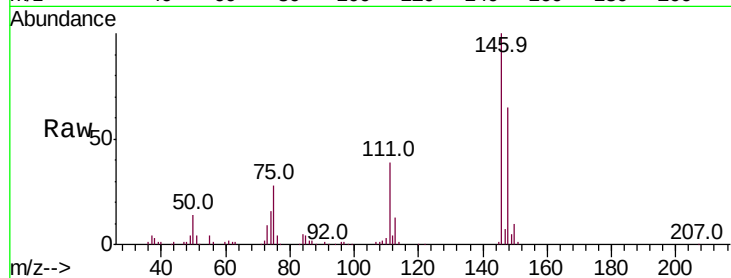
#91
 1,2-Dichlorobenzene
 Concen: 18.910 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.1
148	63.9	31.7	95.1

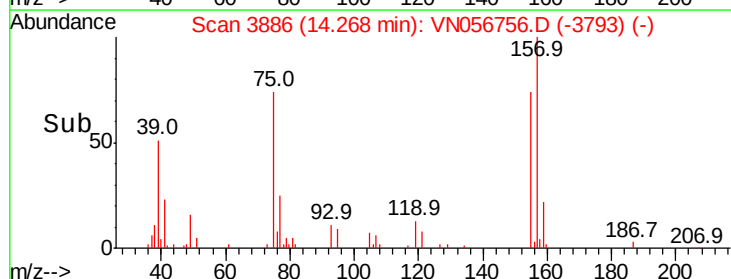
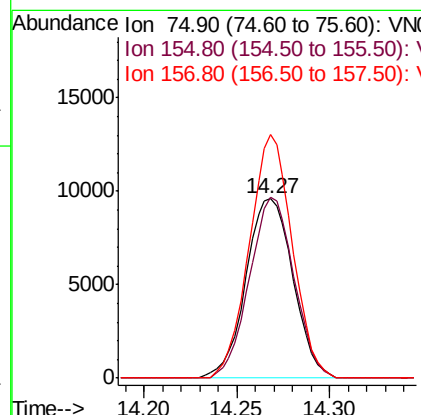
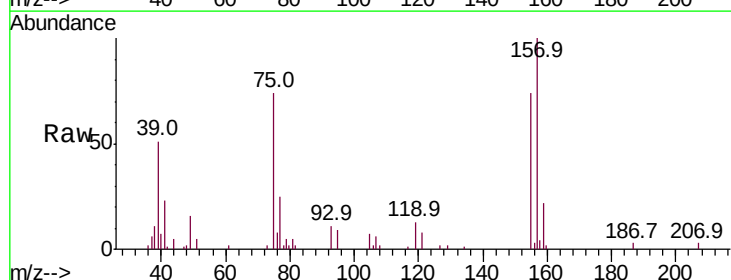
Manual Integrations
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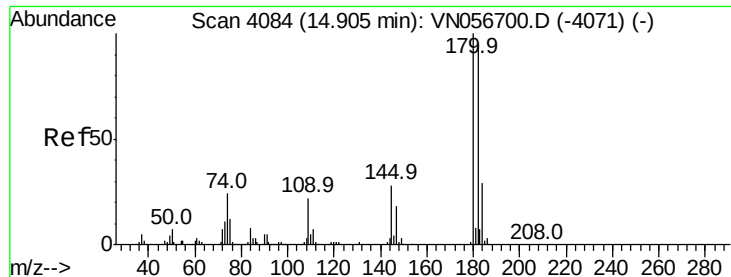
MMDadoda
 7/17/2019 4:57:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.350 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	49.3	147.9
157	123.6	62.4	187.1





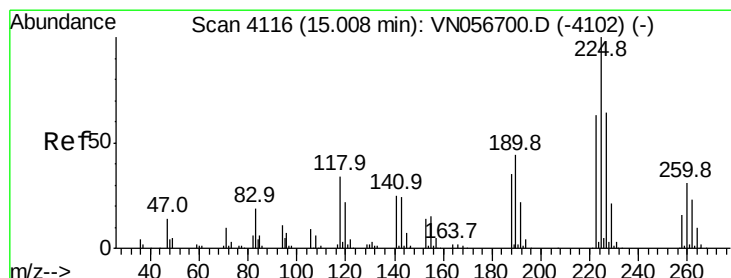
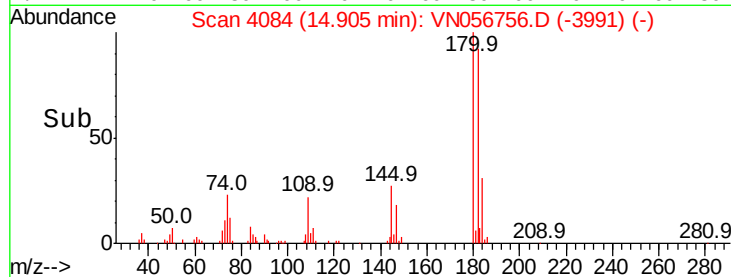
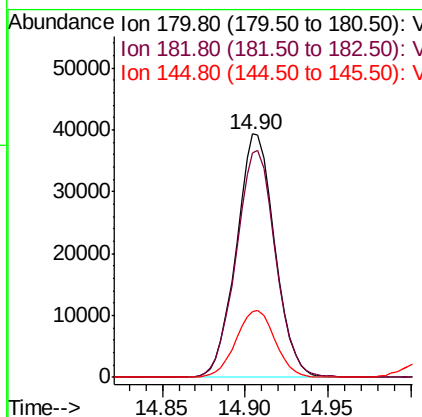
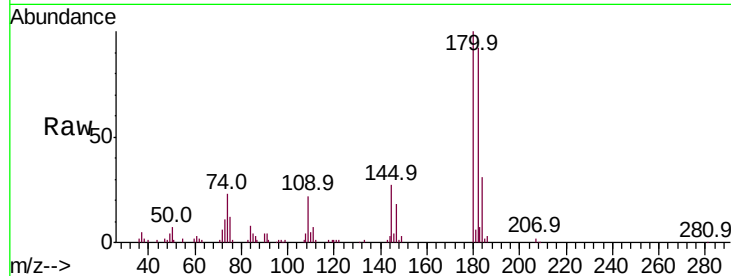
#93
 1,2,4-Trichlorobenzene
 Concen: 18.467 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0716WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.2	141.6
145	28.0	14.2	42.8

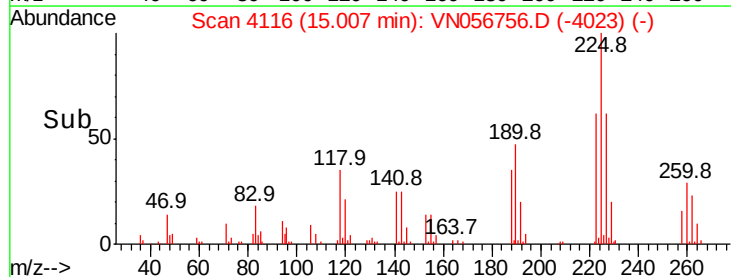
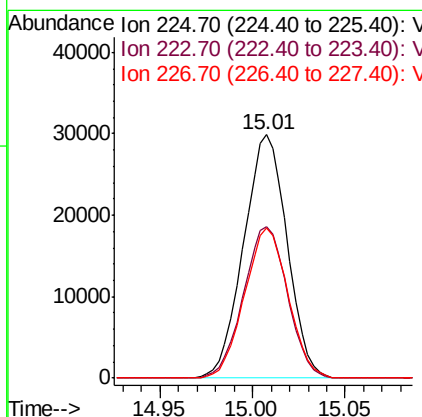
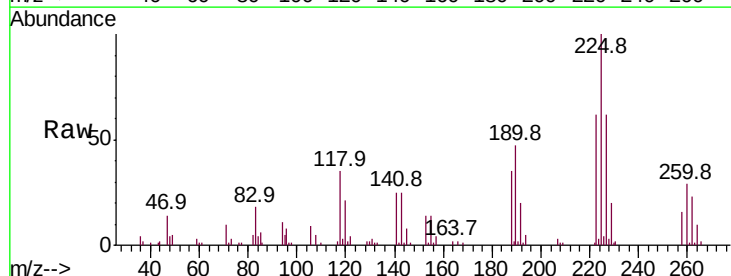
Manual Integrations
 APPROVED

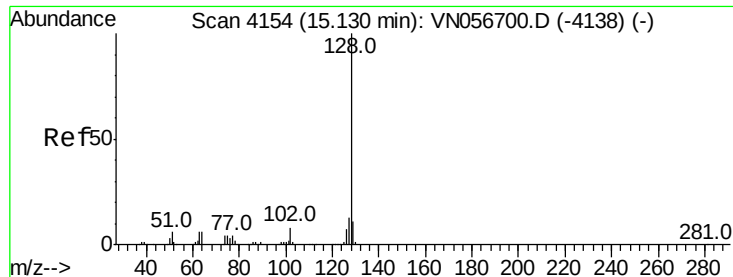
MMDadoda
 7/17/2019 4:57:21 PM



#94
 Hexachlorobutadiene
 Concen: 20.891 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056756.D
 Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	61.7	32.0	96.2





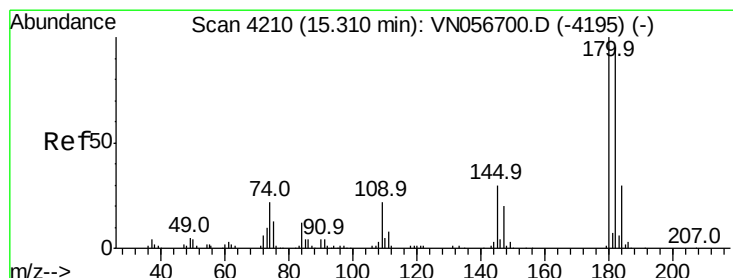
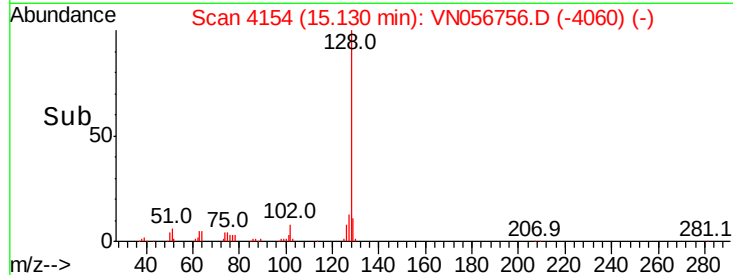
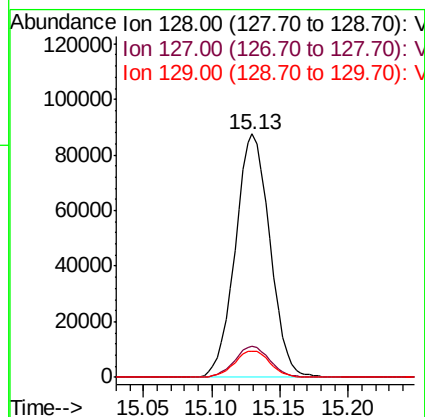
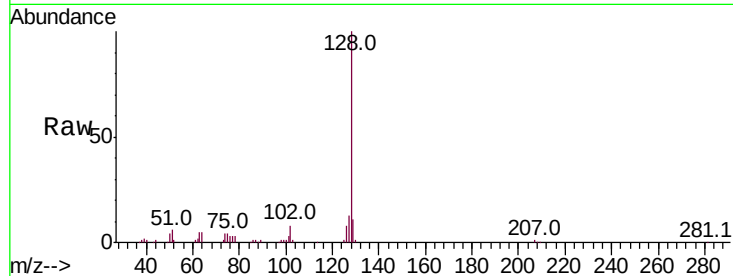
#95
Naphthalene
Concen: 17.411 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.9	10.3	15.5	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
7/17/2019 4:57:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.891 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056756.D
Acq: 16 Jul 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.1	141.3	
145	30.1	15.0	45.1	

