

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056307.D
 Acq On : 14 Jun 2019 13:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jun 17 09:08:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	331505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	498715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192293	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	173696	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	7.59	113	157216	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.09	98	573122	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	199117	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	166847	45.843	ug/l	100
3) Chloromethane	2.06	50	177845	49.490	ug/l	99
4) Vinyl Chloride	2.18	62	180888	50.182	ug/l	99
5) Bromomethane	2.52	94	91762	40.299	ug/l	97
6) Chloroethane	2.67	64	104754m	50.122	ug/l	
7) Trichlorofluoromethane	3.00	101	233808	50.809	ug/l	100
8) Diethyl Ether	3.40	74	93715	49.522	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	153381	54.870	ug/l	97
10) Methyl Iodide	3.94	142	137724	31.003	ug/l	99
11) Tert butyl alcohol	4.82	59	137660	240.327	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	140338	50.428	ug/l	99
13) Acrolein	3.60	56	32859	198.903	ug/l	98
14) Allyl chloride	4.31	41	241134	54.873	ug/l	98
15) Acrylonitrile	4.99	53	415708	298.134	ug/l	99
16) Acetone	3.82	43	438494	278.541	ug/l	100
17) Carbon Disulfide	4.03	76	308343	46.275	ug/l	99
18) Methyl Acetate	4.32	43	202551	65.683	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	478605	53.953	ug/l	100
20) Methylene Chloride	4.54	84	168830	52.054	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	148327	49.744	ug/l	98
22) Diisopropyl ether	5.95	45	502275	55.293	ug/l	100
23) Vinyl Acetate	5.89	43	2044780	285.840	ug/l	100
24) 1,1-Dichloroethane	5.84	63	287622	54.891	ug/l	100
25) 2-Butanone	6.84	43	595076	299.181	ug/l	99
26) 2,2-Dichloropropane	6.82	77	210507	51.484	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	180959	51.628	ug/l	97
28) Bromochloromethane	7.19	49	143759	58.015	ug/l	94
29) Tetrahydrofuran	7.21	42	361731	294.212	ug/l	98
30) Chloroform	7.37	83	290248	55.063	ug/l	100
31) Cyclohexane	7.65	56	254106	48.651	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	234982	53.383	ug/l	98
36) 1,1-Dichloropropene	7.79	75	208358	48.588	ug/l	99
37) Ethyl Acetate	6.93	43	220861	57.885	ug/l	99
38) Carbon Tetrachloride	7.77	117	204331	51.683	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	256977	48.106	ug/l	98
40) Benzene	8.04	78	656415	50.399	ug/l	100
41) Methacrylonitrile	7.17	41	97566	55.577	ug/l	90
42) 1,2-Dichloroethane	8.12	62	217772	51.980	ug/l	99
43) Isopropyl Acetate	8.17	43	331900	53.680	ug/l #	92
44) Trichloroethene	8.83	130	182172	48.676	ug/l	100
45) 1,2-Dichloropropane	9.12	63	179902	53.926	ug/l	99
46) Dibromomethane	9.21	93	115001	52.715	ug/l	97
47) Bromodichloromethane	9.40	83	225876	57.128	ug/l	97
48) Methyl methacrylate	9.20	41	165985	54.874	ug/l	97
49) 1,4-Dioxane	9.21	88	69611	1065.969	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1094499	283.074	ug/l	99
52) Toluene	10.16	92	411958	50.830	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	227354	49.091	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	264465	55.646	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171275	53.351	ug/l	99
56) Ethyl methacrylate	10.43	69	256461	54.758	ug/l	99
57) 1,3-Dichloropropane	10.71	76	284307	54.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	408599	221.820	ug/l	98
59) 2-Hexanone	10.75	43	772527	275.672	ug/l	100
60) Dibromochloromethane	10.90	129	181077	51.085	ug/l	98
61) 1,2-Dibromoethane	11.00	107	177610	54.117	ug/l	100
64) Tetrachloroethene	10.63	164	169015	43.322	ug/l	99
65) Chlorobenzene	11.43	112	453082	50.511	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	168862	54.521	ug/l	100
67) Ethyl Benzene	11.51	91	784675	50.308	ug/l	100
68) m/p-Xylenes	11.62	106	594382	99.756	ug/l	99
69) o-Xylene	11.95	106	289153	49.335	ug/l	98
70) Styrene	11.96	104	491868	52.819	ug/l	99
71) Bromoform	12.13	173	130086	50.026	ug/l #	99
73) Isopropylbenzene	12.25	105	776161	56.964	ug/l	100
74) N-amyl acetate	12.07	43	275671	53.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	238850	53.506	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	208959m	59.057	ug/l	
77) Bromobenzene	12.53	156	203439	49.415	ug/l	99
78) n-propylbenzene	12.59	91	846466	52.033	ug/l	100
79) 2-Chlorotoluene	12.67	91	508864	56.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	641563	49.622	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60300	56.754	ug/l	91
82) 4-Chlorotoluene	12.77	91	499593	52.492	ug/l	99
83) tert-Butylbenzene	12.99	119	560085	56.169	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	631088	51.473	ug/l	100
85) sec-Butylbenzene	13.17	105	738963	51.293	ug/l	99
86) p-Isopropyltoluene	13.29	119	658534	51.075	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	329966	51.785	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	312173	50.930	ug/l	99
89) n-Butylbenzene	13.61	91	505988	52.976	ug/l	99
90) Hexachloroethane	13.87	117	112282	57.745	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	321698	50.007	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38879	60.893	ug/l	96

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149884	42.939	ug/l	99
94) Hexachlorobutadiene	15.01	225	116779	53.054	ug/l	99
95) Naphthalene	15.13	128	403866	44.380	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	169723	47.161	ug/l	98

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

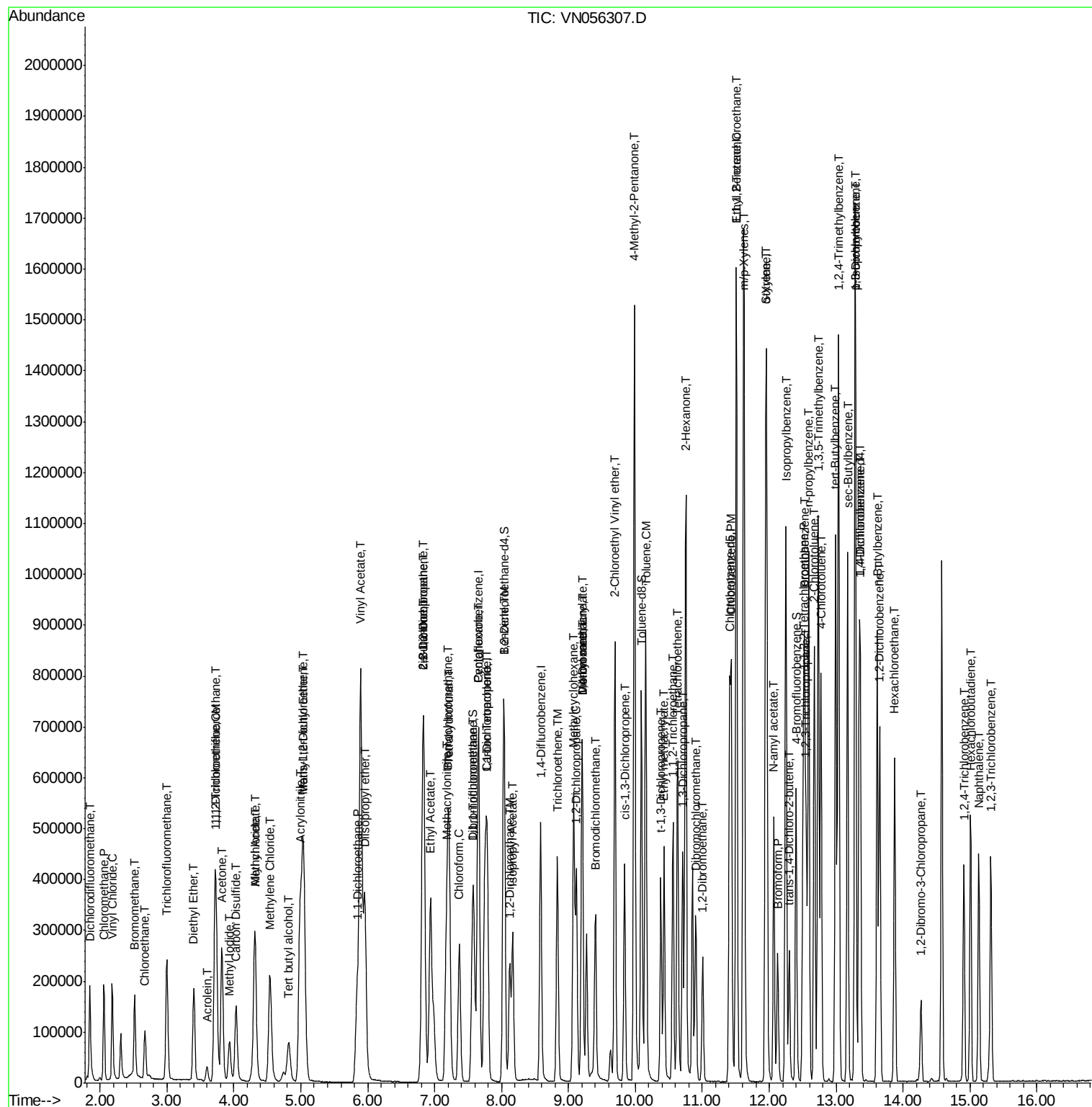
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Data File : VN056307.D
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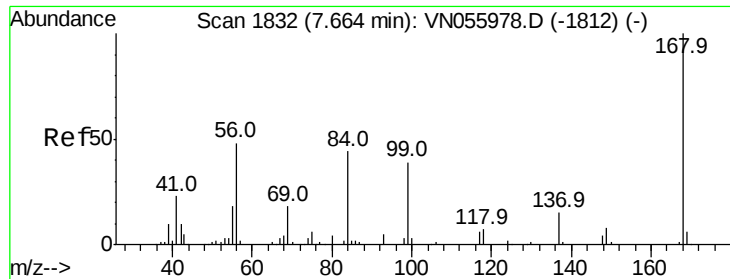
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 331505

Ion Ratio Lower Upper

168 100

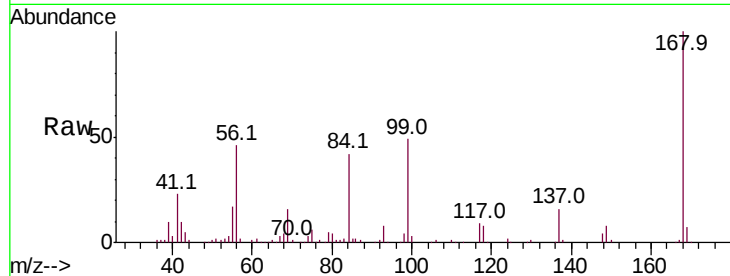
99 48.1 37.2 55.8

Manual Integrations

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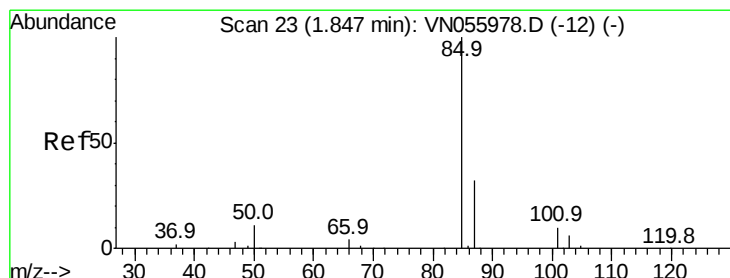
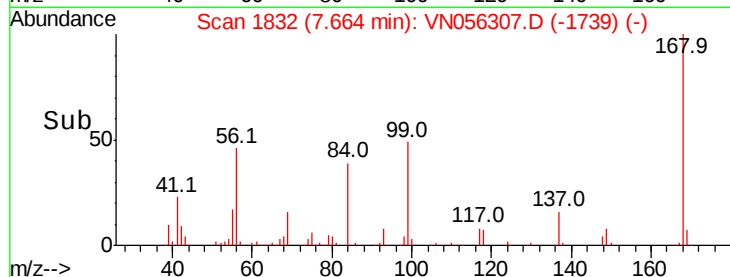
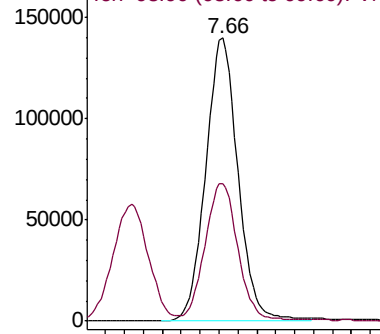
MMDadoda

6/17/2019 9:45:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.843 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056307.D

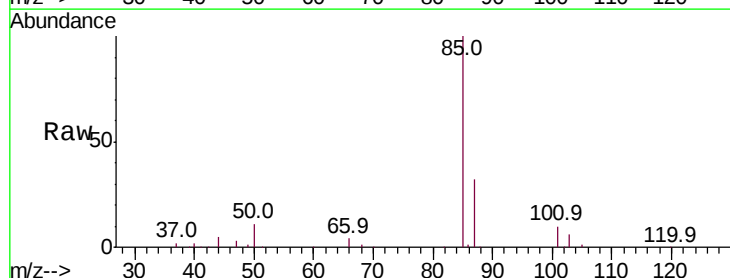
Acq: 14 Jun 2019 13:09

Tgt Ion: 85 Resp: 166847

Ion Ratio Lower Upper

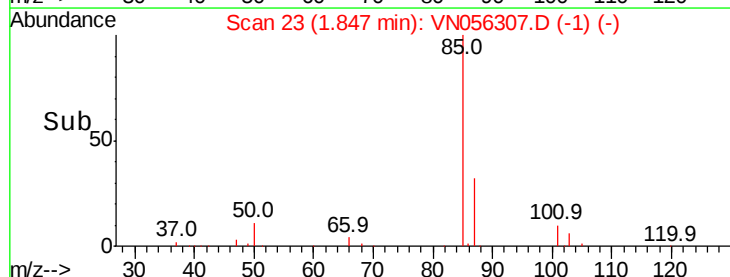
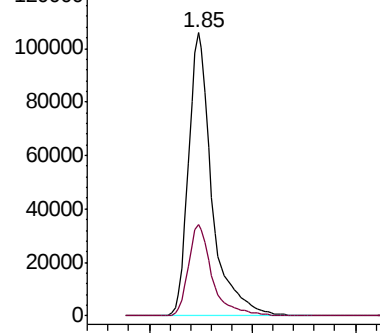
85 100

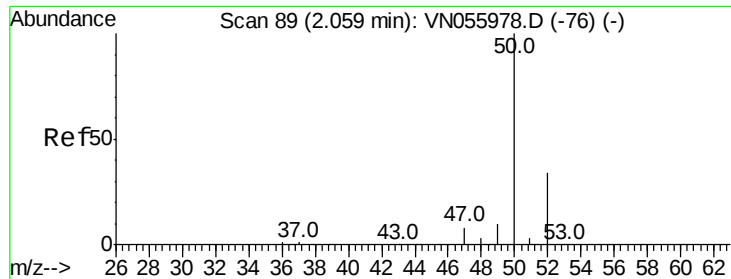
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.490 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 177845

Ion Ratio Lower Upper

50 100

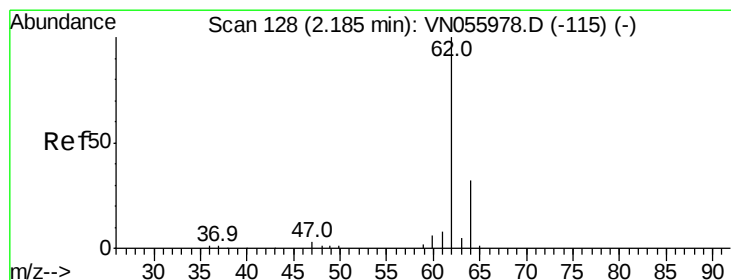
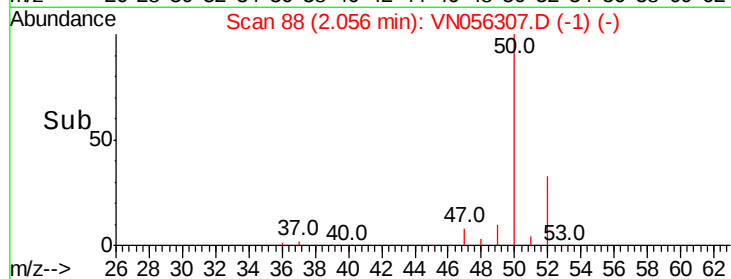
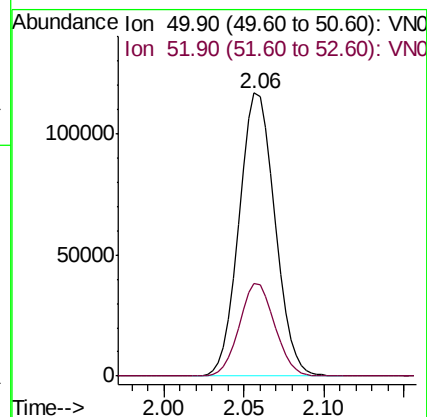
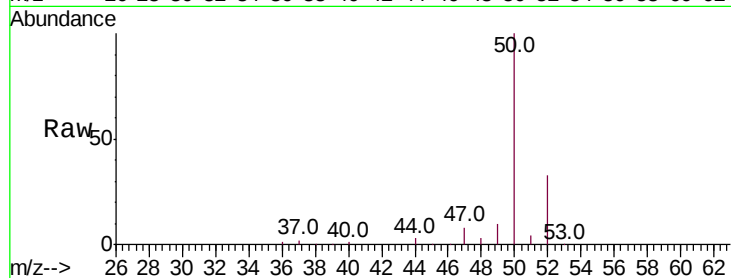
52 32.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.182 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056307.D

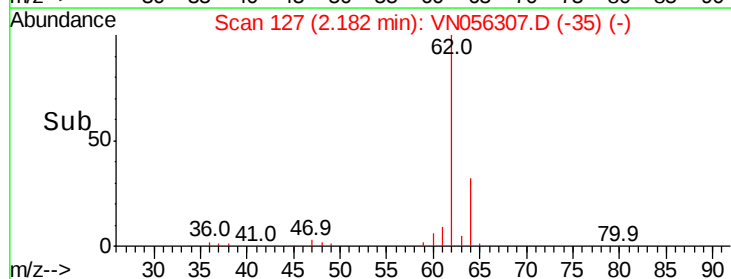
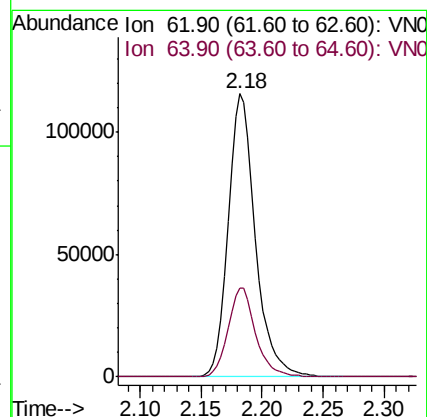
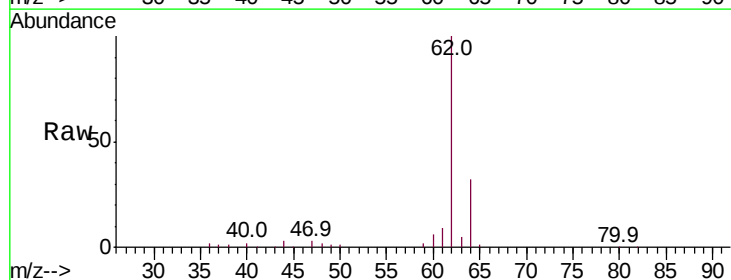
Acq: 14 Jun 2019 13:09

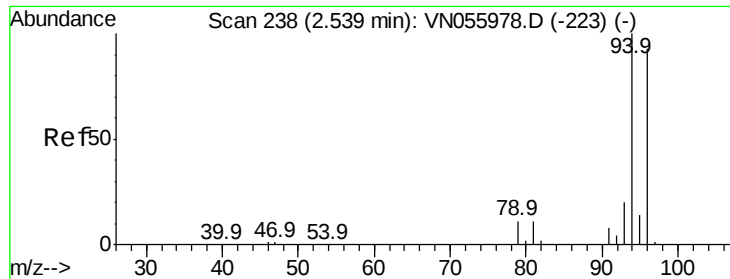
Tgt Ion: 62 Resp: 180888

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 40.299 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 91762

Ion Ratio Lower Upper

94 100

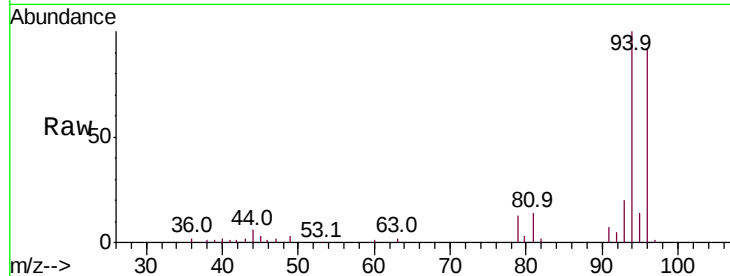
96 91.6 75.5 113.3

Manual Integrations

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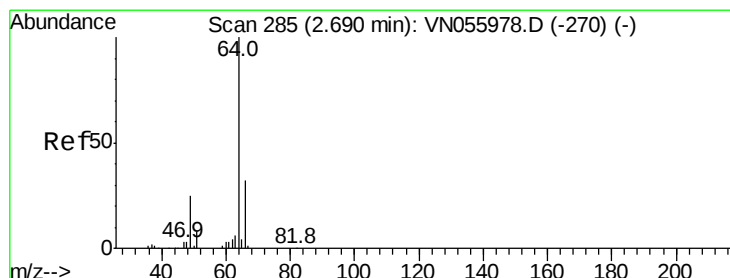
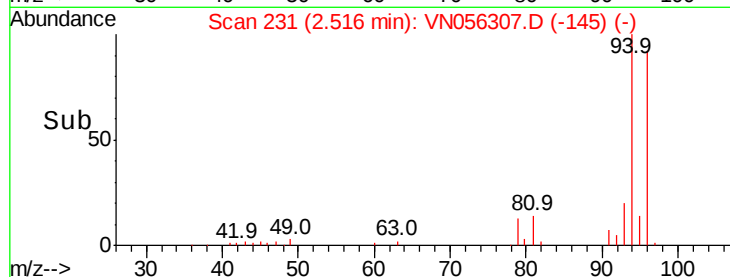
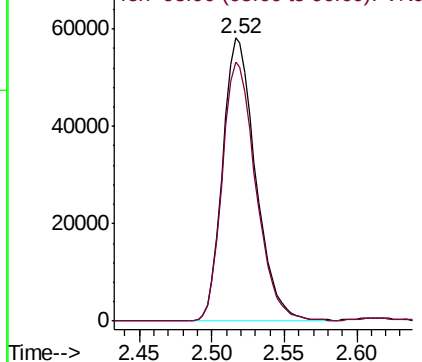
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.122 ug/l m

RT: 2.67 min Scan# 279

Delta R.T. -0.02 min

Lab File: VN056307.D

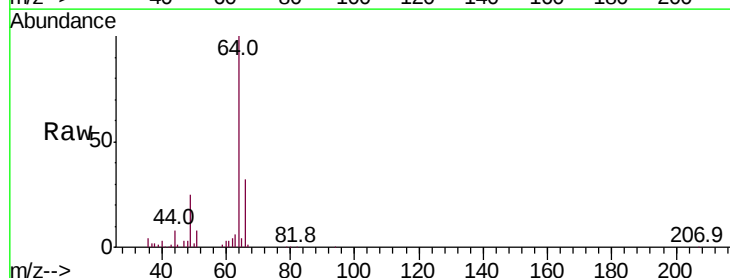
Acq: 14 Jun 2019 13:09

Tgt Ion: 64 Resp: 104754

Ion Ratio Lower Upper

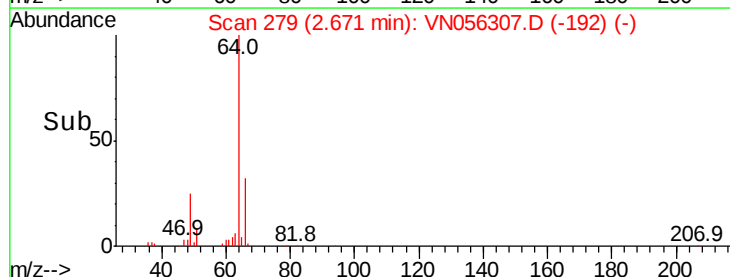
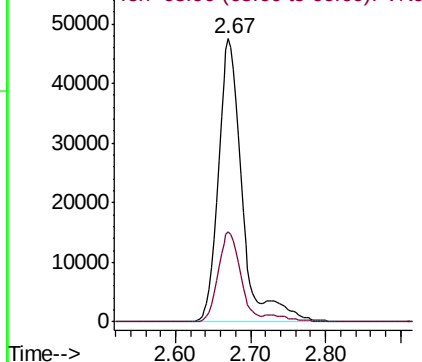
64 100

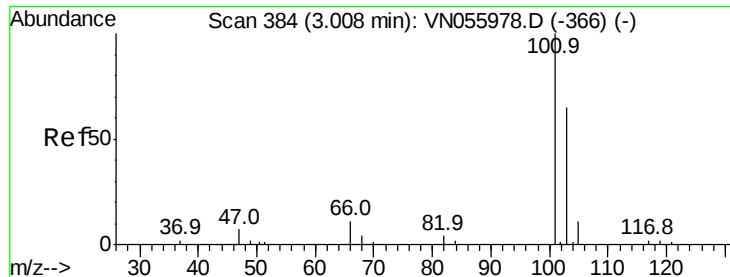
66 31.9 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

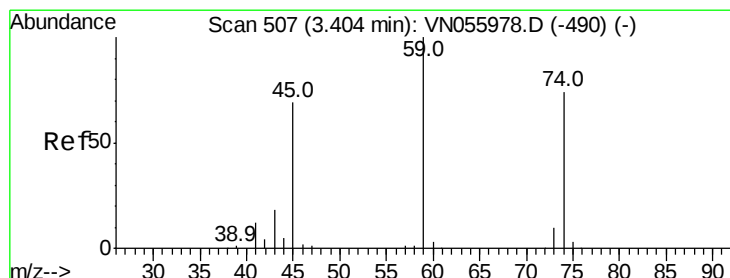
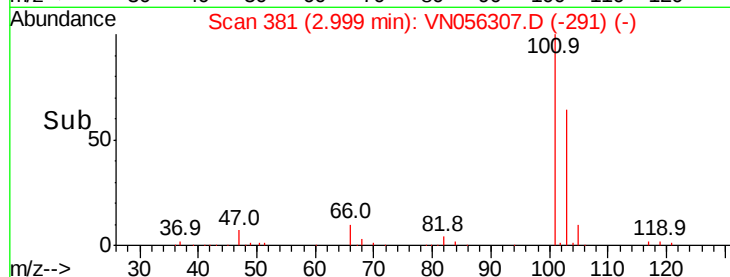
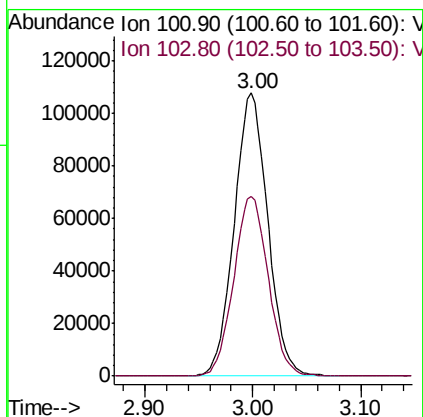
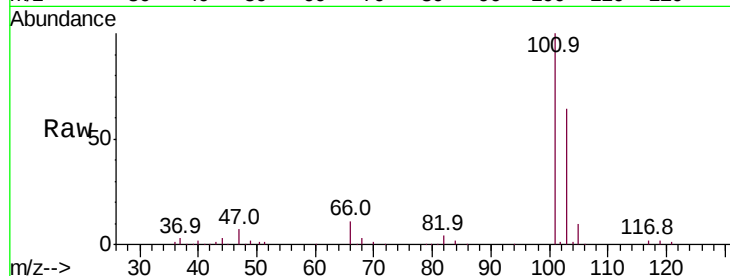
Trichlorofluoromethane
Concen: 50.809 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 233808
Ion Ratio Lower Upper
101 100
103 63.7 51.2 76.8

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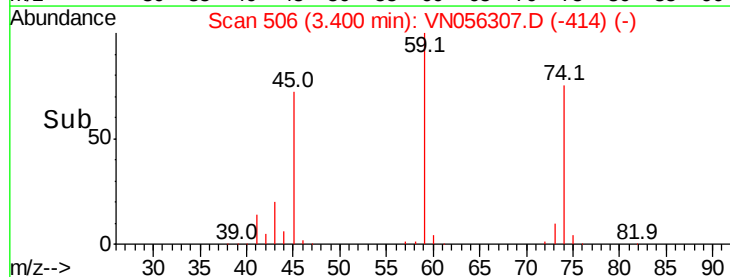
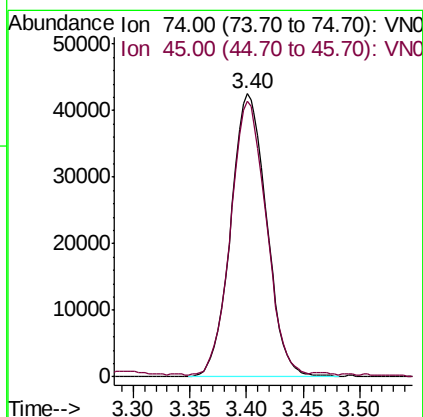
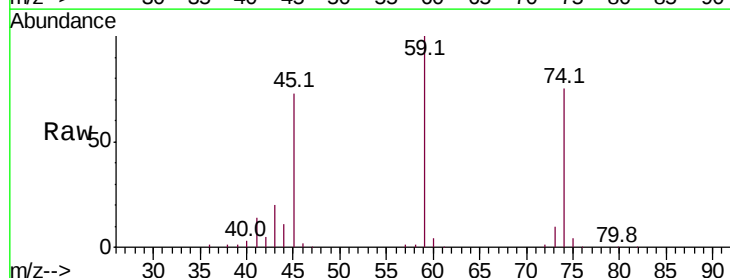
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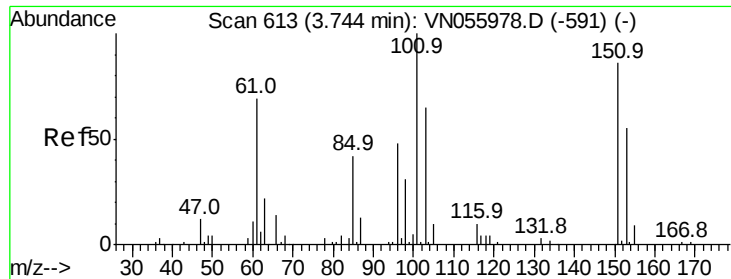


#8

Diethyl Ether
Concen: 49.522 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion: 74 Resp: 93715
Ion Ratio Lower Upper
74 100
45 95.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.870 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

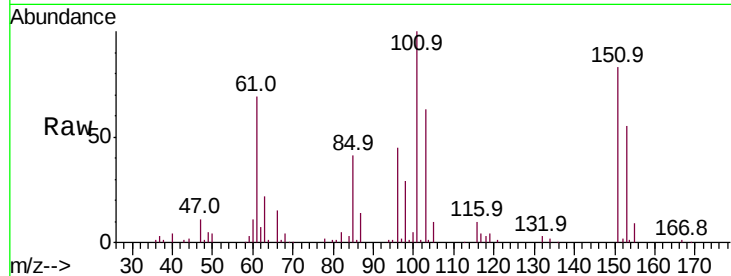
ClientSampleId :

VSTDCCC050

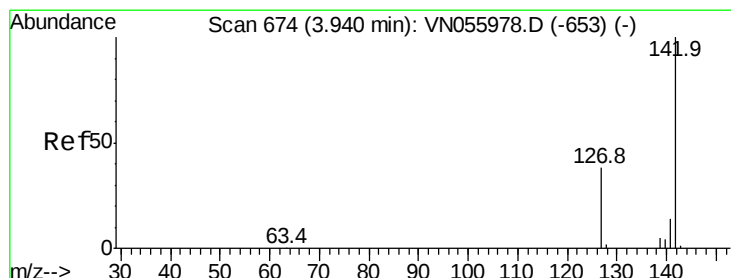
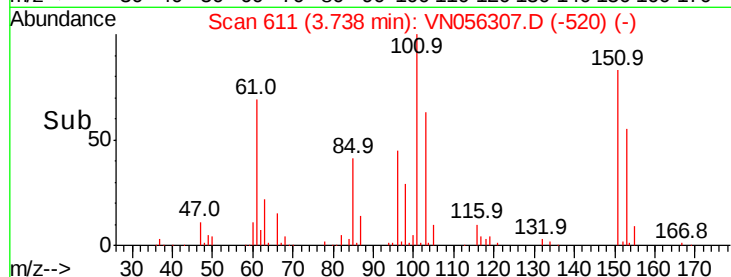
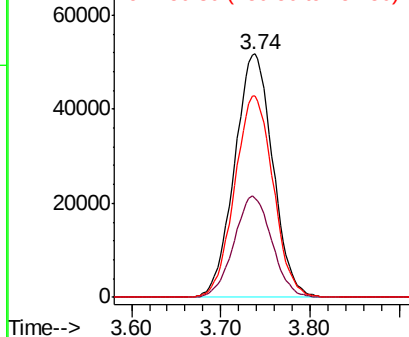
Tot Ion:	101	Resp:	153381
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.2
151	83.2	69.4	104.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 31.003 ug/l

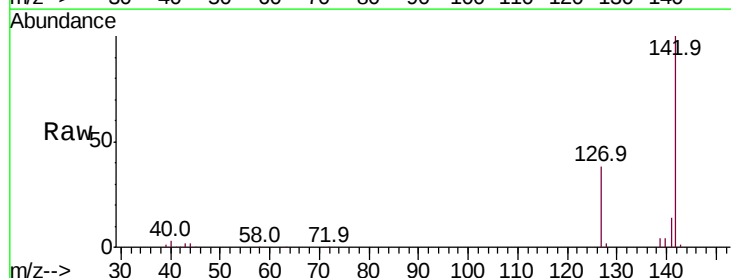
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

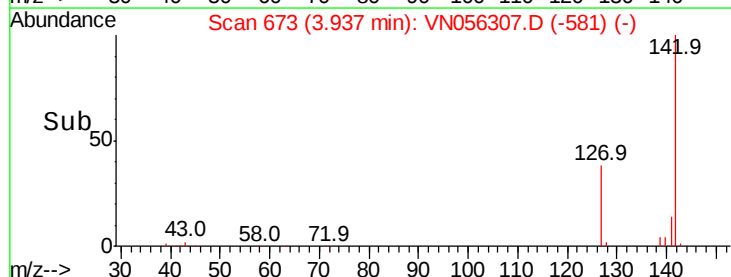
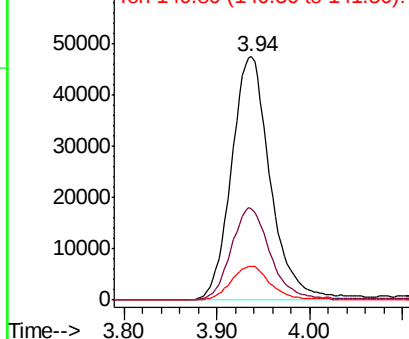
Lab File: VN056307.D

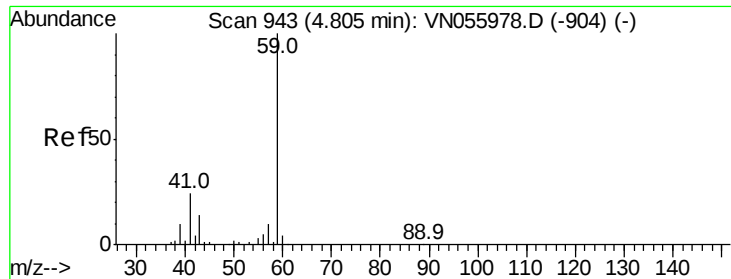
Acq: 14 Jun 2019 13:09

Tgt Ion:	142	Resp:	137724
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.4	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





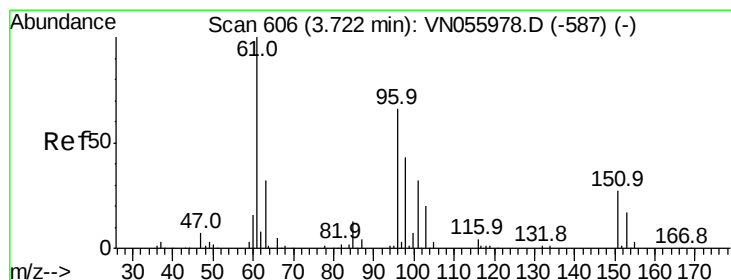
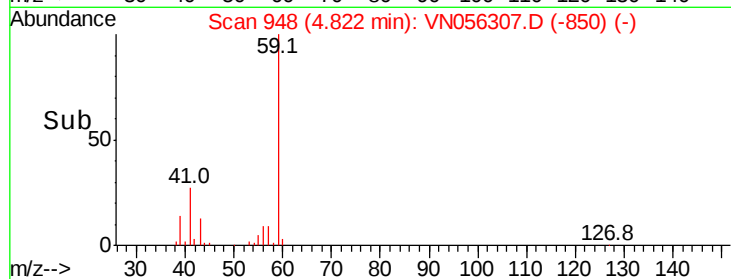
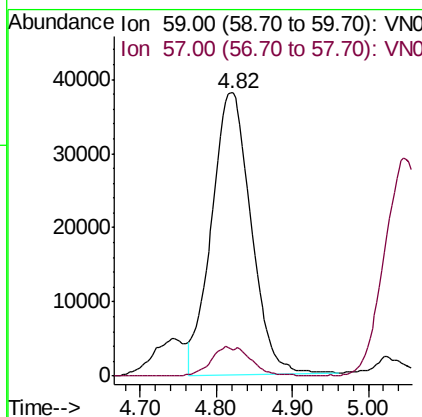
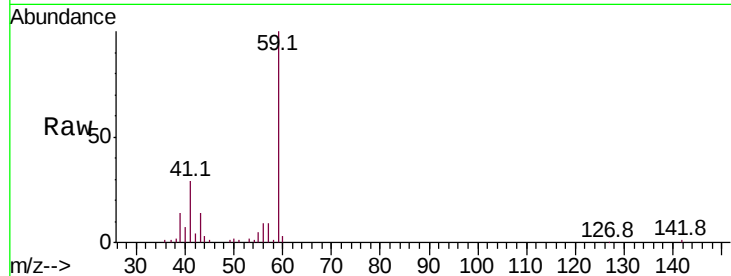
#11
Tert butyl alcohol
Concen: 240.327 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.02 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 137660
Ion Ratio Lower Upper
59 100
57 5.6 7.8 11.6#

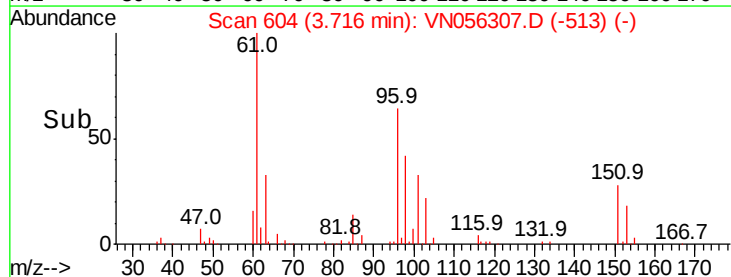
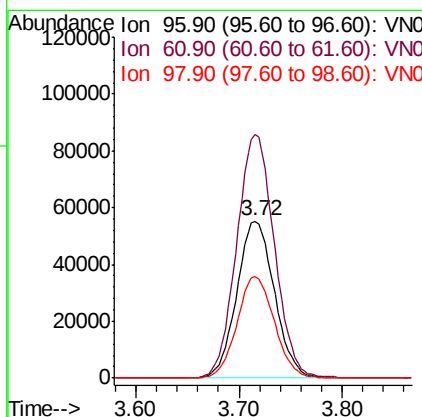
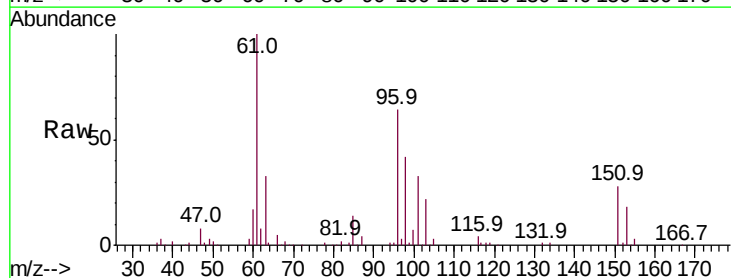
Manual Integrations
APPROVED

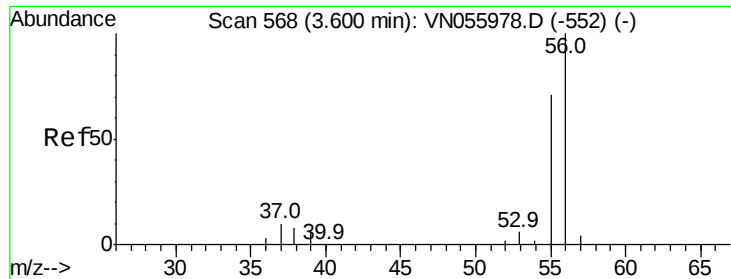
MMDadoda
6/17/2019 9:45:45 AM



#12
1,1-Dichloroethene
Concen: 50.428 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.01 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion: 96 Resp: 140338
Ion Ratio Lower Upper
96 100
61 155.3 123.2 184.8
98 64.5 50.4 75.6





#13

Acrolein

Concen: 198.903 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 32859

Ion Ratio Lower Upper

56 100

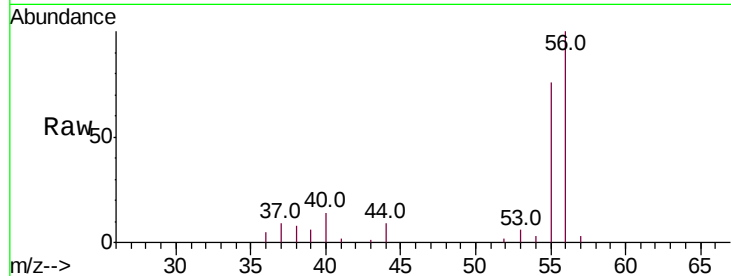
55 71.2 55.4 83.2

Manual Integrations

APPROVED

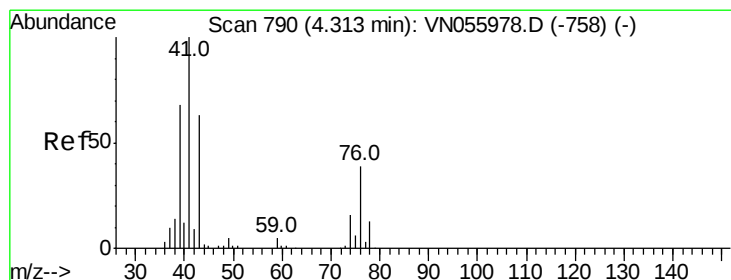
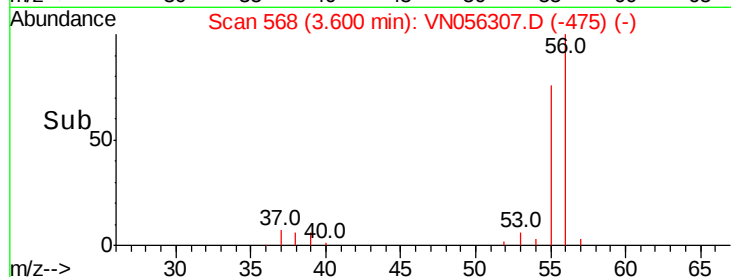
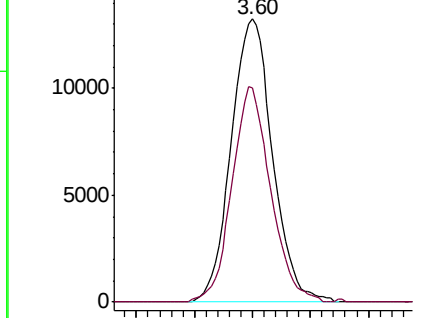
MMDadoda

6/17/2019 9:45:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 54.873 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

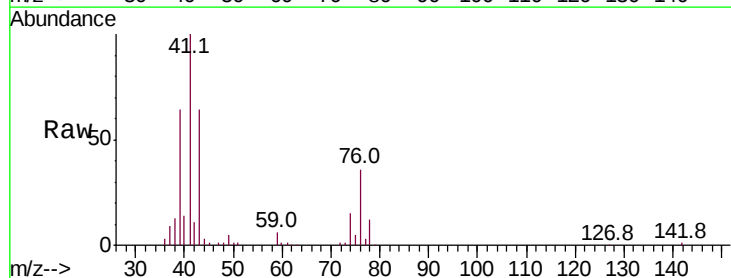
Tgt Ion: 41 Resp: 241134

Ion Ratio Lower Upper

41 100

39 61.0 50.0 75.0

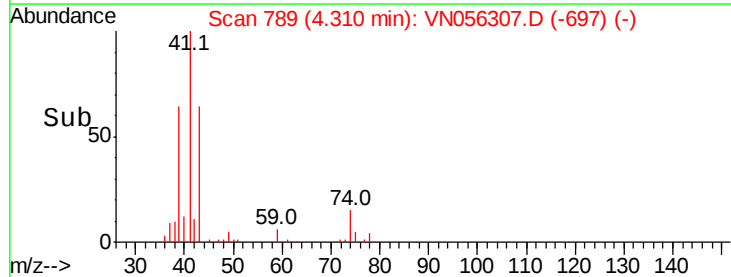
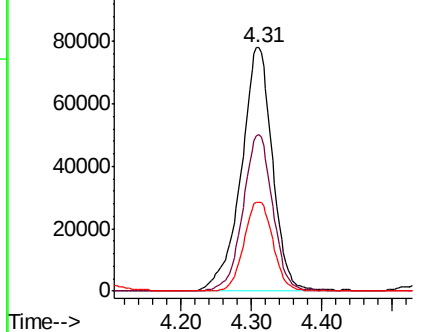
76 33.8 28.2 42.2

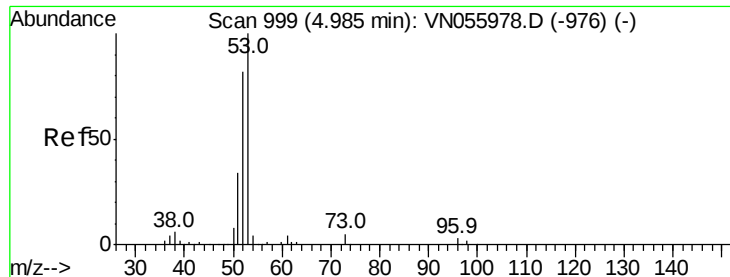


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 298.134 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

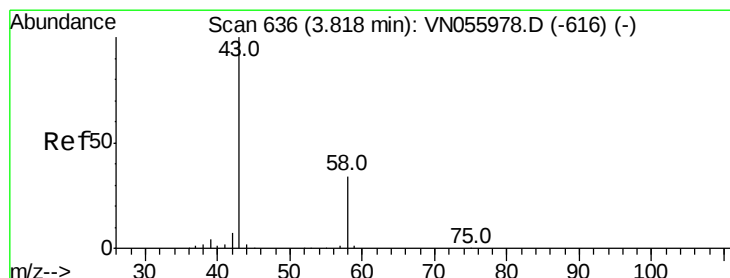
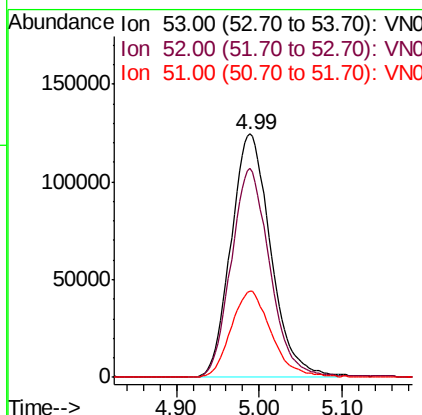
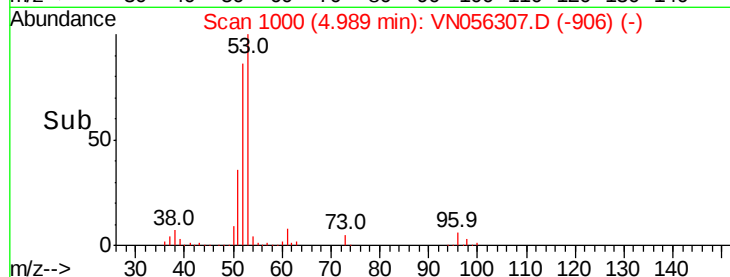
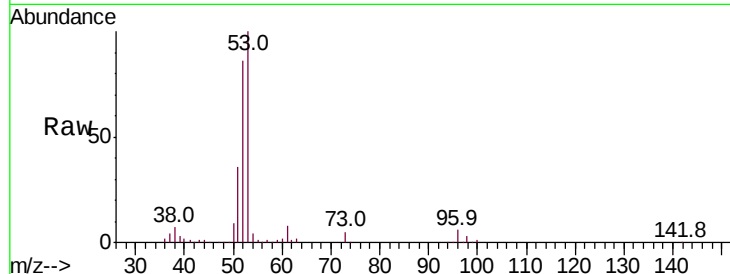
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	415708
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.8	98.8
51	35.9	28.2	42.4

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



#16

Acetone

Concen: 278.541 ug/l

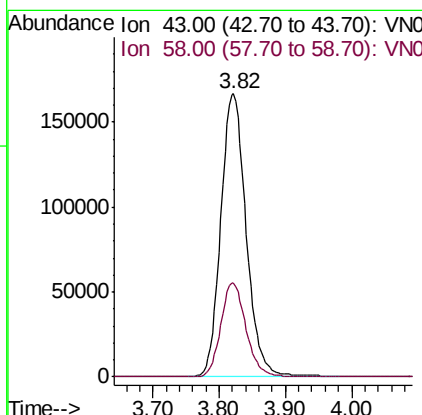
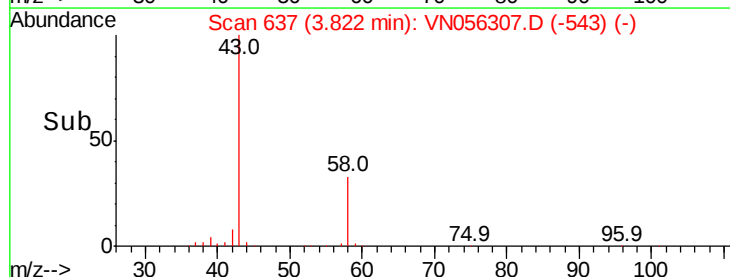
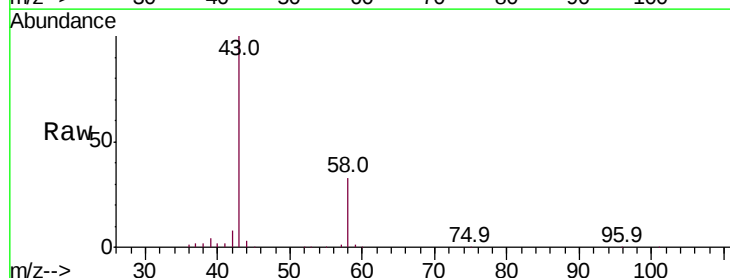
RT: 3.82 min Scan# 637

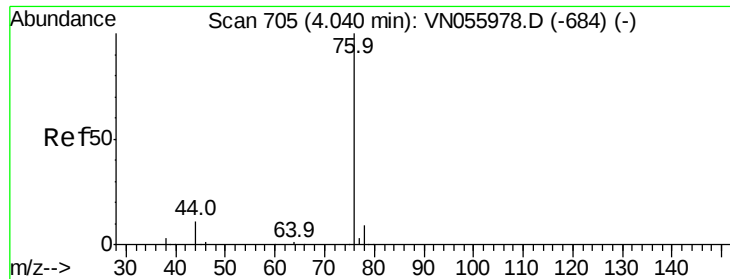
Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Tgt Ion:	43	Resp:	438494
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.6	39.8





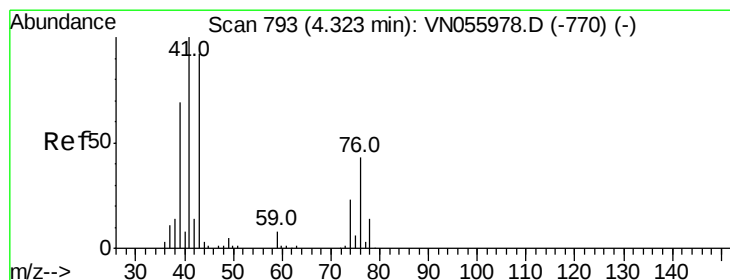
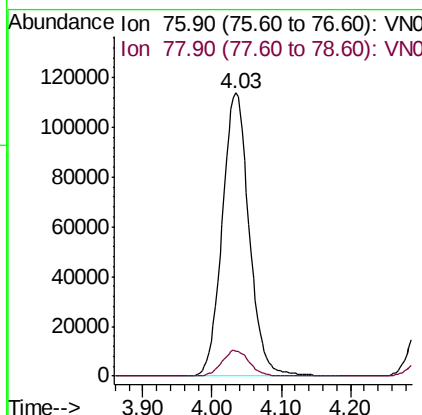
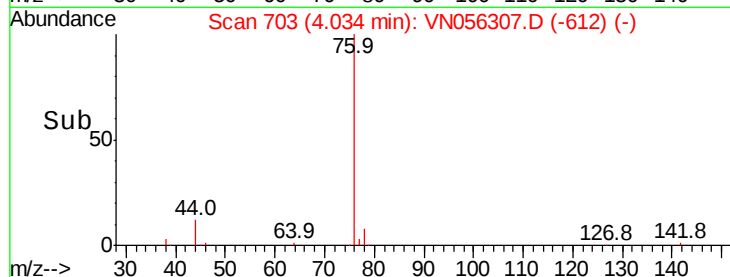
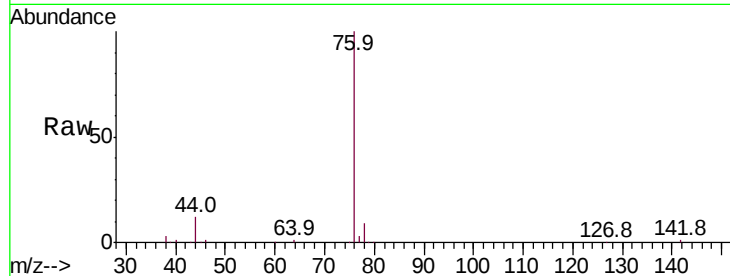
#17
Carbon Disulfide
Concen: 46.275 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

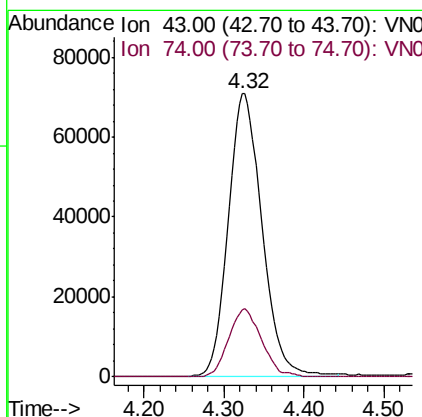
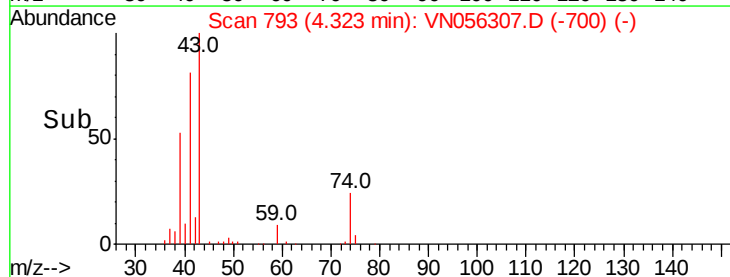
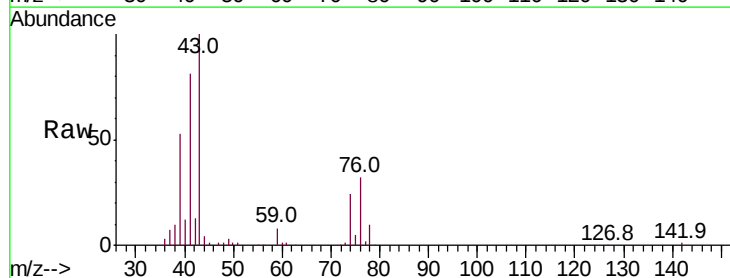
Manual Integrations
APPROVED

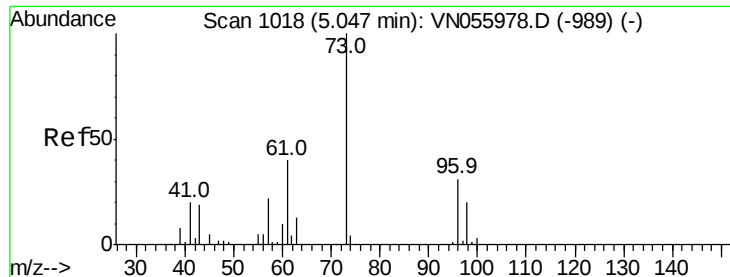
MMDadoda
6/17/2019 9:45:45 AM



#18
Methyl Acetate
Concen: 65.683 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.3	28.9





#19

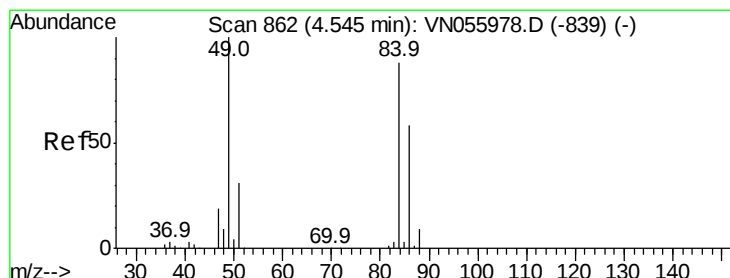
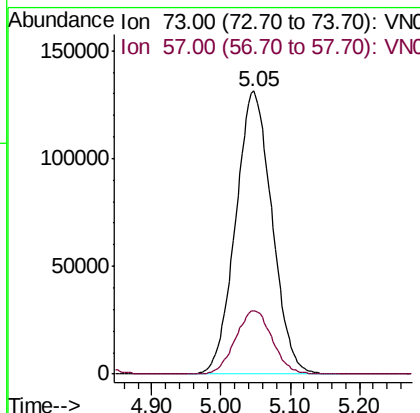
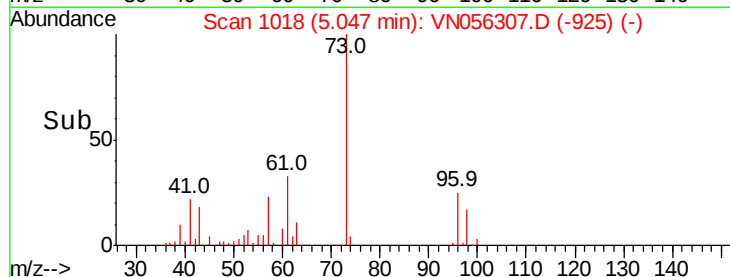
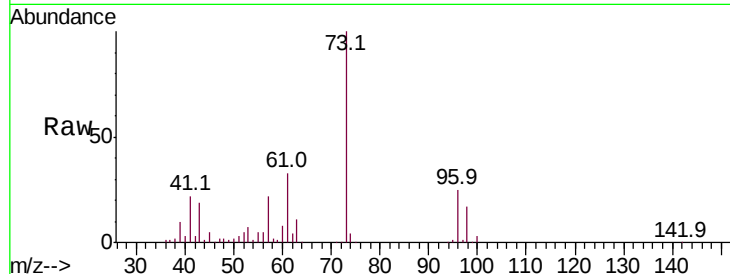
Methyl tert-butyl Ether
 Concen: 53.953 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.8	26.8

Manual Integrations
 APPROVED

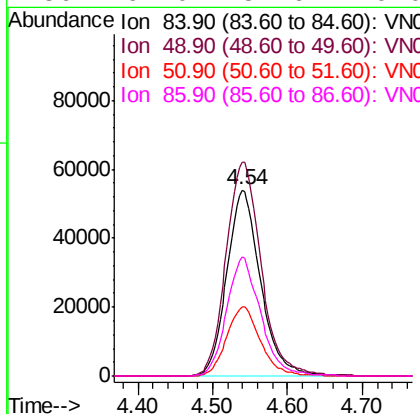
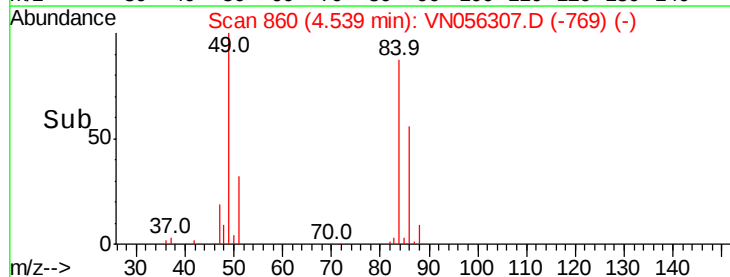
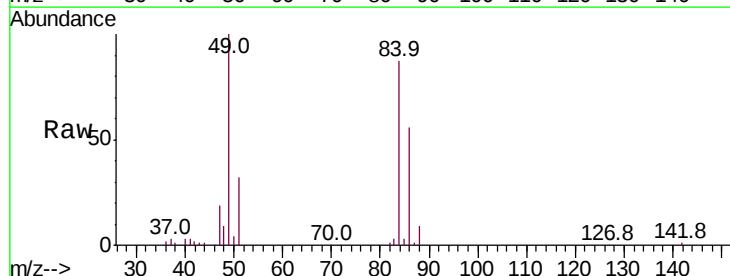
MMDadoda
 6/17/2019 9:45:45 AM

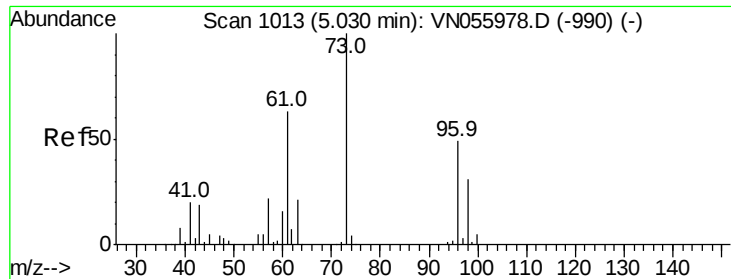


#20

Methylene Chloride
 Concen: 52.054 ug/l
 RT: 4.54 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.5	93.5	140.3
51	37.2	28.6	43.0
86	64.0	52.6	79.0





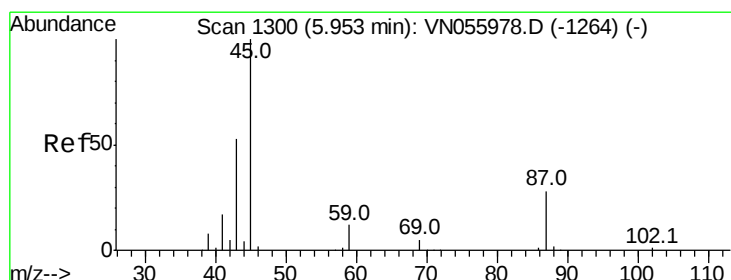
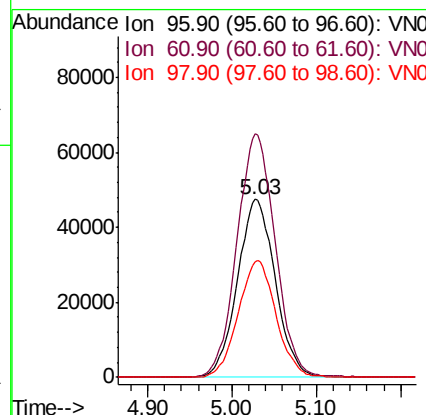
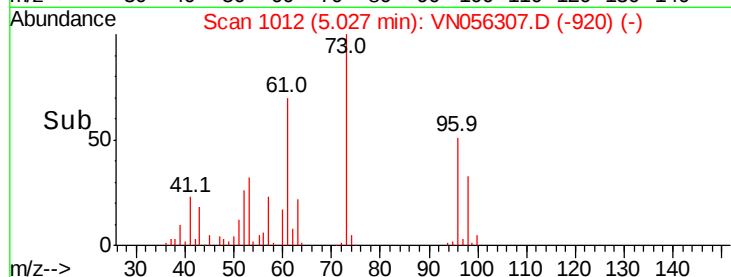
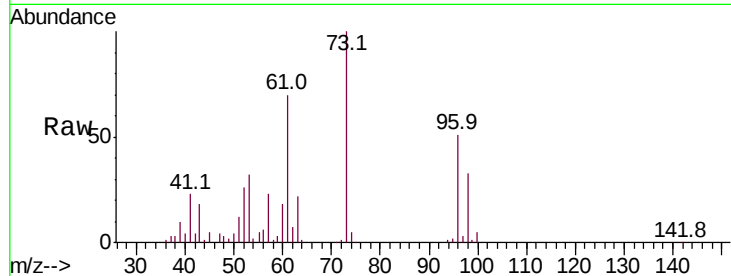
#21
trans-1,2-Dichloroethene
Concen: 49.744 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	107.8	161.8
98	64.8	49.8	74.8

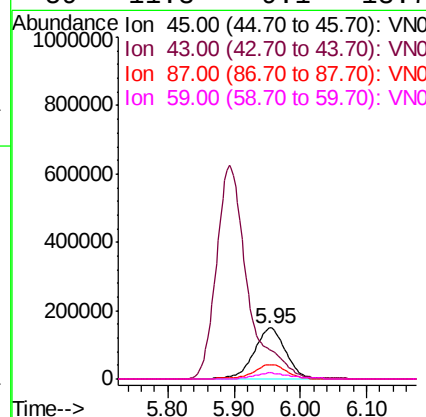
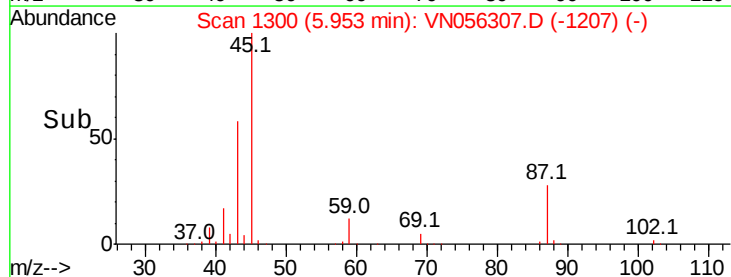
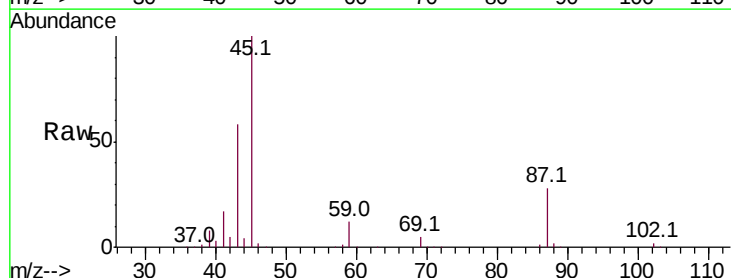
Manual Integrations
APPROVED

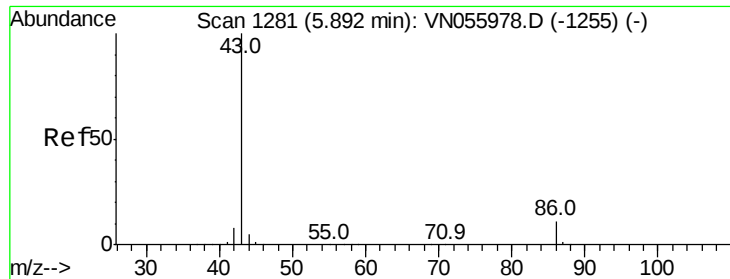
MMDadoda
6/17/2019 9:45:45 AM



#22
Diisopropyl ether
Concen: 55.293 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.0	67.6
87	27.6	22.2	33.4
59	11.3	9.1	13.7





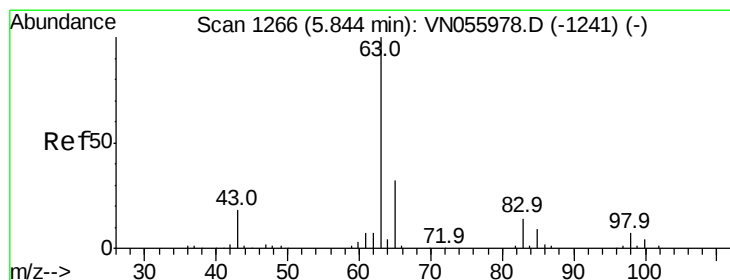
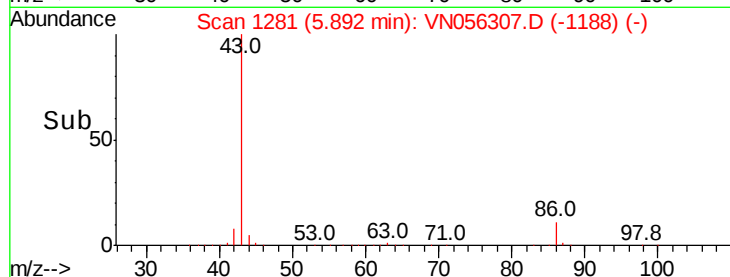
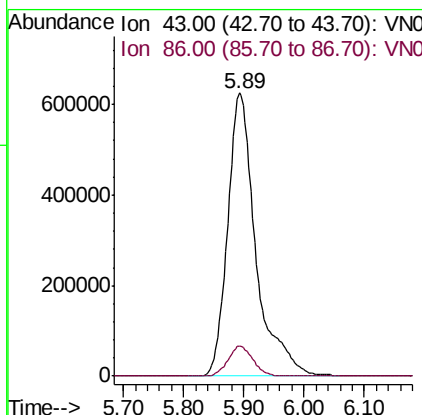
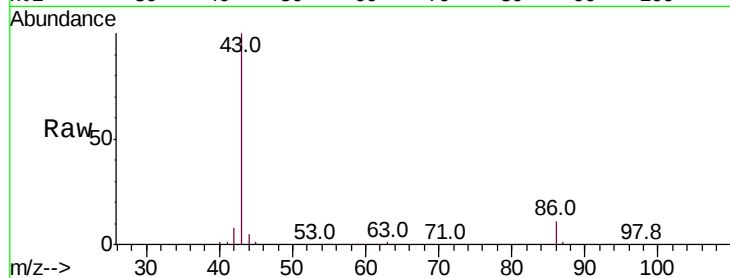
#23
 Vinyl Acetate
 Concen: 285.840 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2044780
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

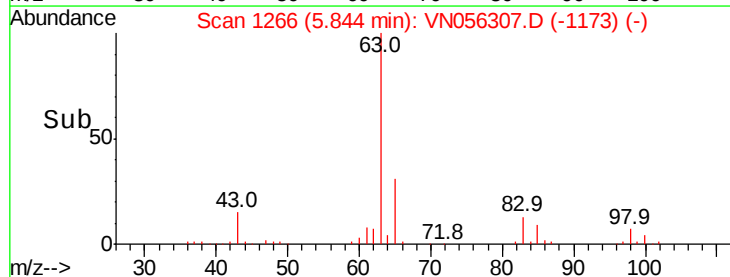
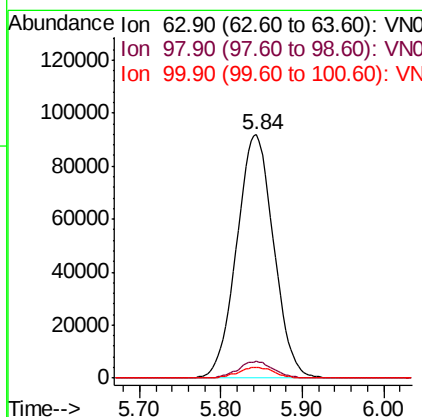
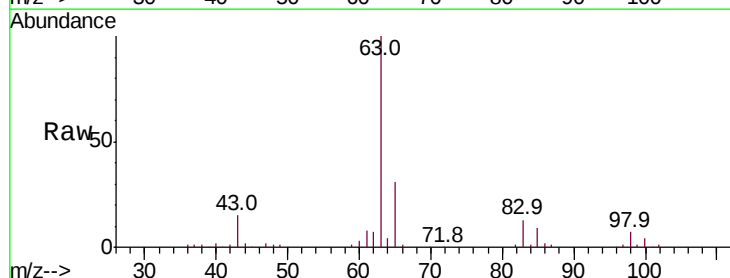
Manual Integrations
 APPROVED

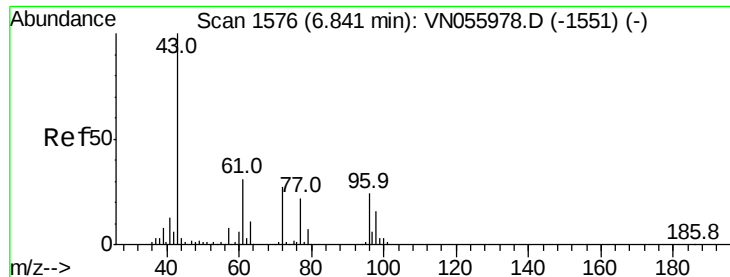
MMDadoda
 6/17/2019 9:45:45 AM



#24
 1,1-Dichloroethane
 Concen: 54.891 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion: 63 Resp: 287622
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 299.181 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 595076

Ion Ratio Lower Upper

43 100

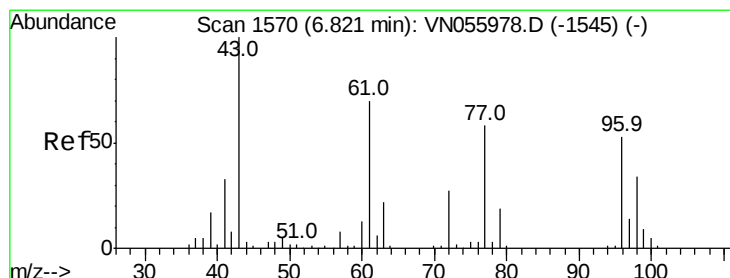
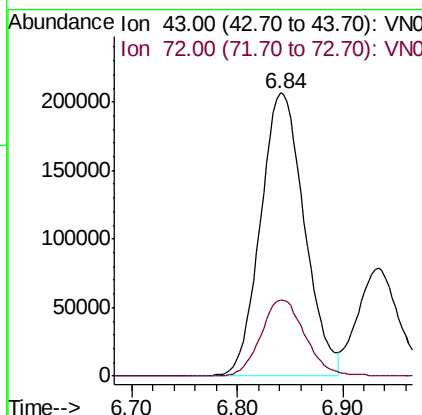
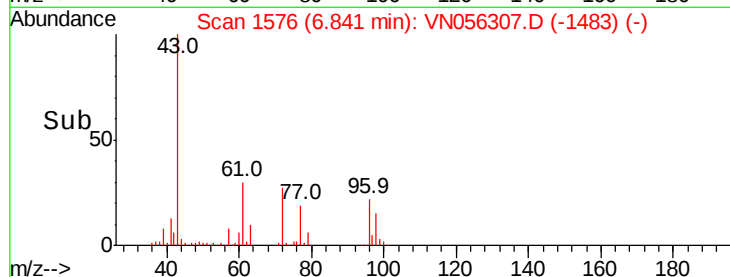
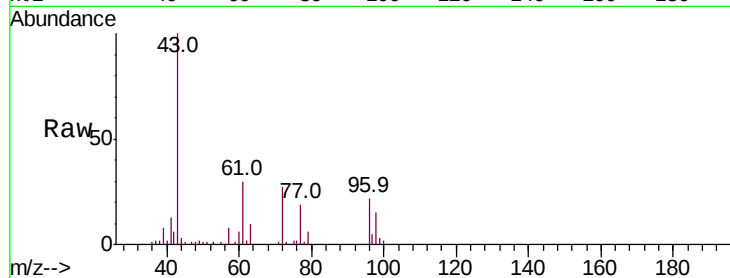
72 27.1 21.9 32.9

Manual Integrations

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MMDadoda

6/17/2019 9:45:45 AM



#26

2,2-Dichloropropane

Concen: 51.484 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056307.D

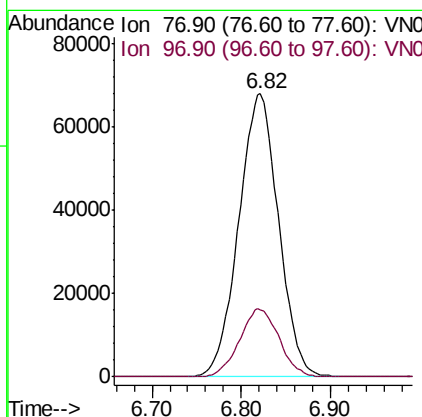
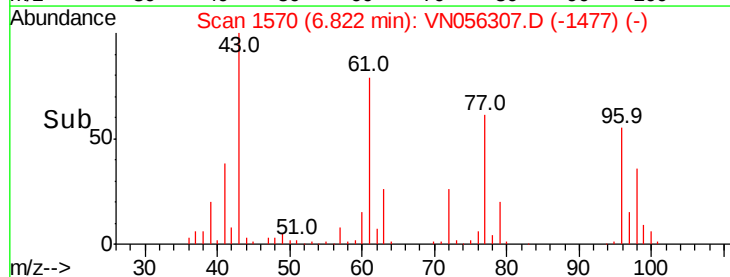
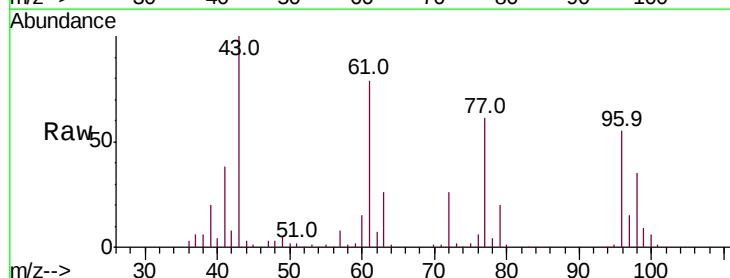
Acq: 14 Jun 2019 13:09

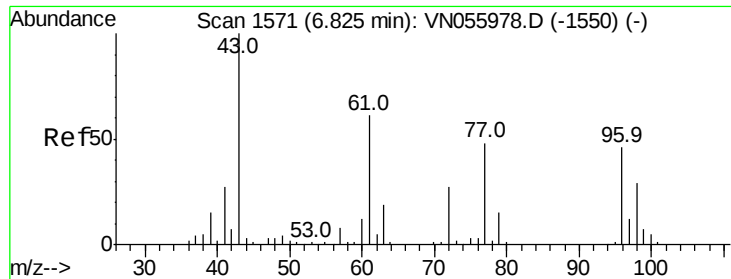
Tgt Ion: 77 Resp: 210507

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.628 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056307.D

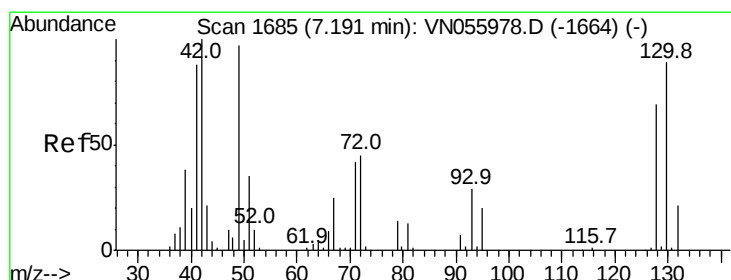
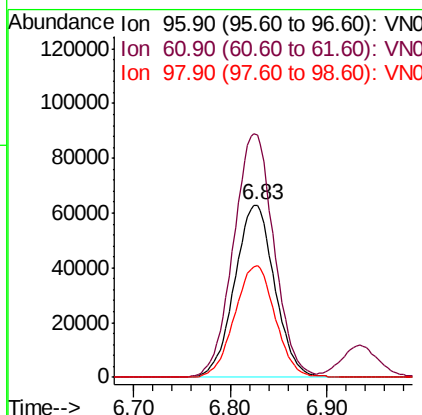
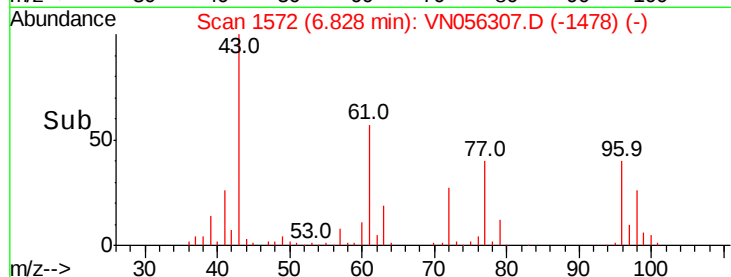
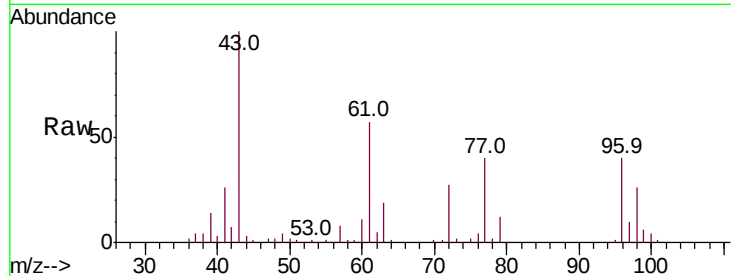
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	180959		
61	142.8	0.0	275.8	
98	65.6	0.0	128.4	

Manual Integrations
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#28

Bromochloromethane

Concen: 58.015 ug/l

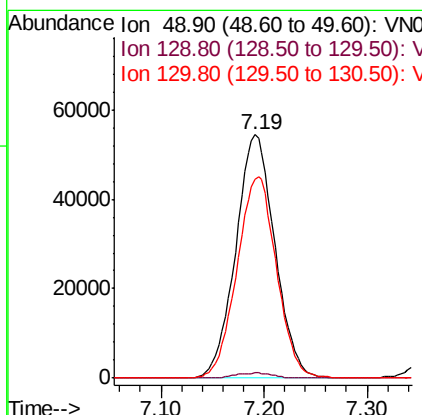
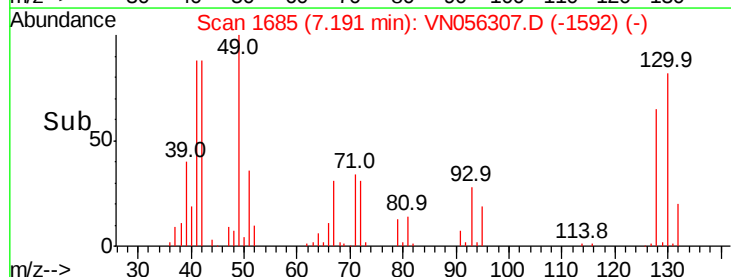
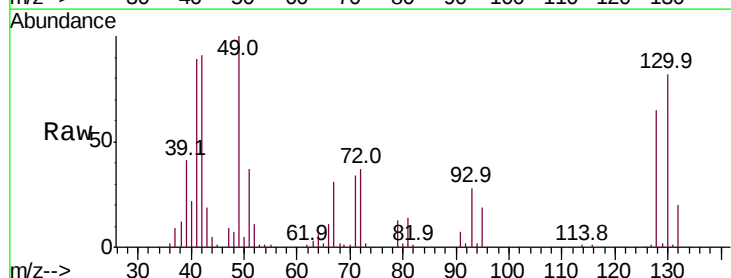
RT: 7.19 min Scan# 1685

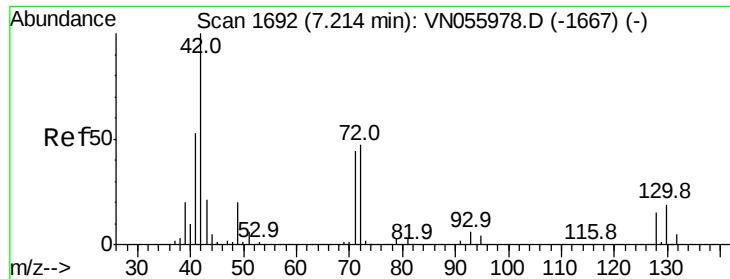
Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143759		
129	0.9	0.0	4.4	
130	83.3	71.2	106.8	





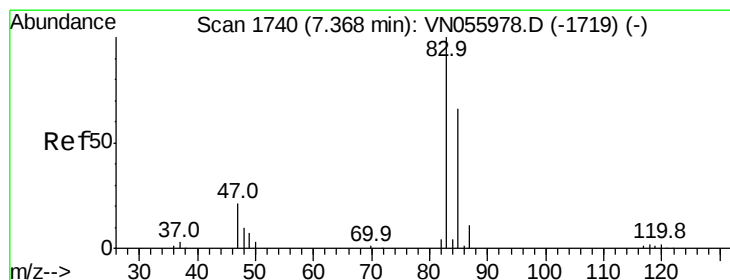
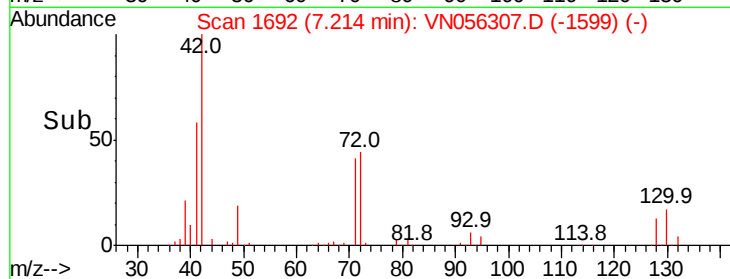
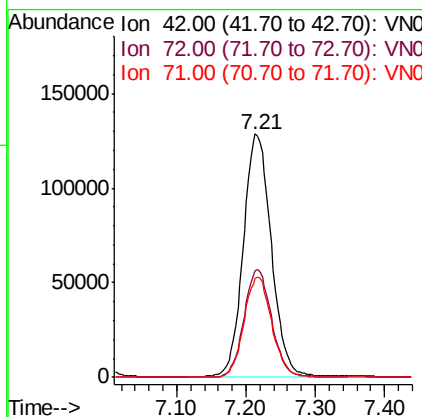
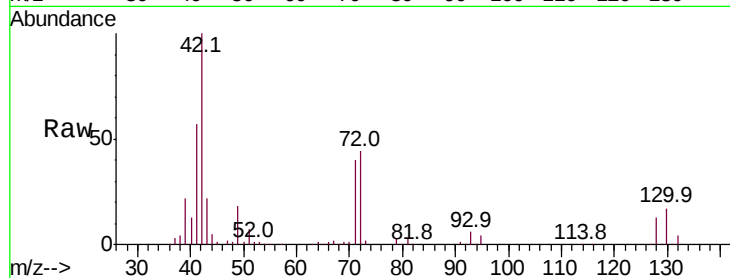
#29
Tetrahydrofuran
Concen: 294.212 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.9	53.9
71	40.9	34.0	51.0

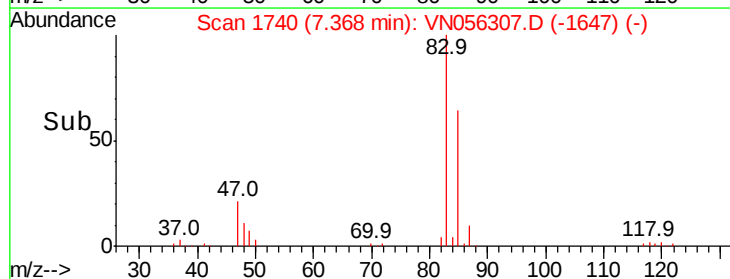
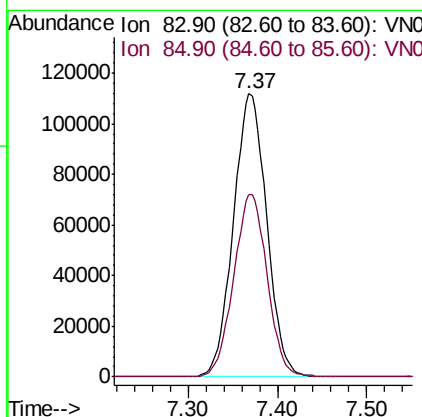
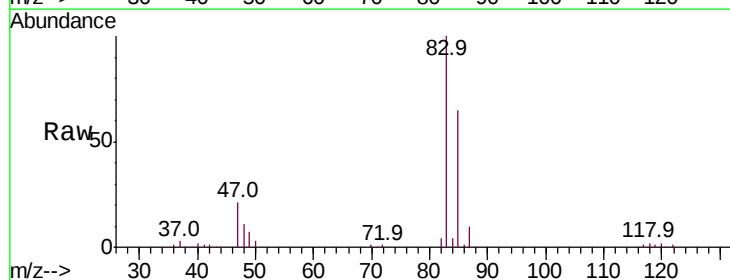
Manual Integrations
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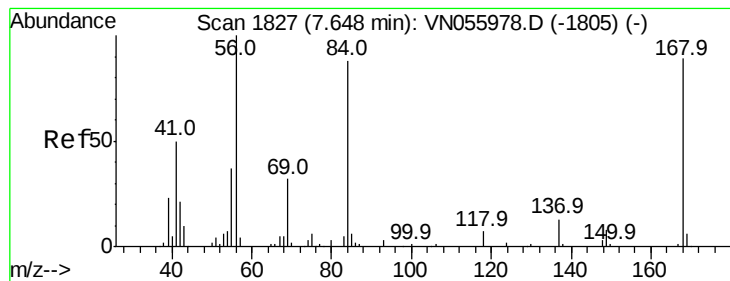
MMDadoda
6/17/2019 9:45:45 AM



#30
Chloroform
Concen: 55.063 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





#31

Cyclohexane

Concen: 48.651 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 254106

Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

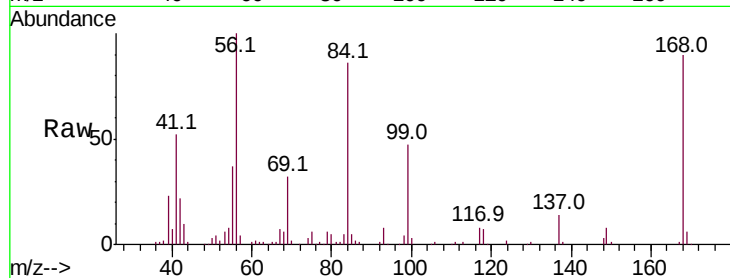
84 84.5 67.4 101.0

Manual Integrations

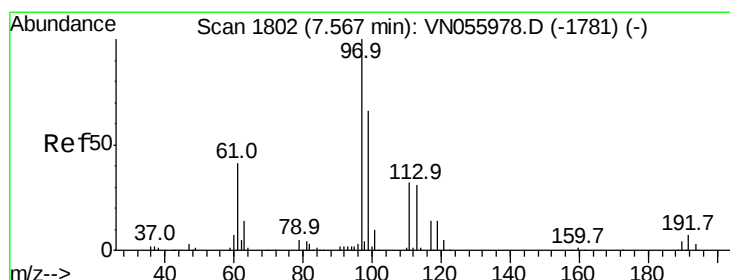
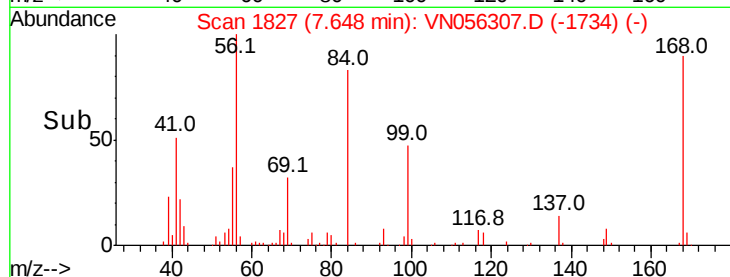
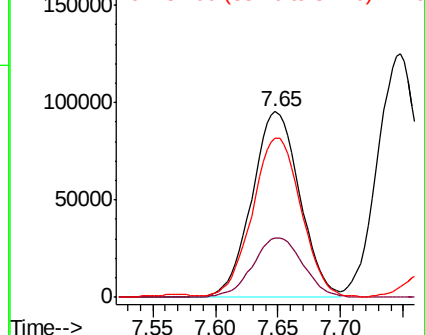
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 53.383 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

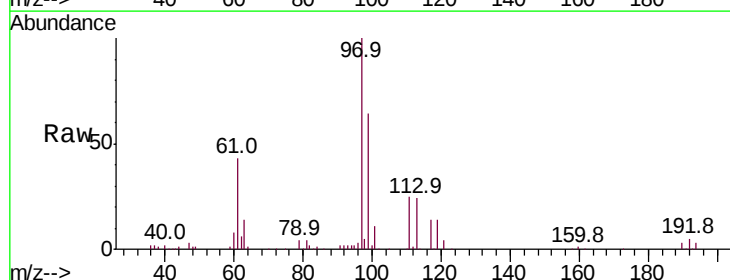
Tgt Ion: 97 Resp: 234982

Ion Ratio Lower Upper

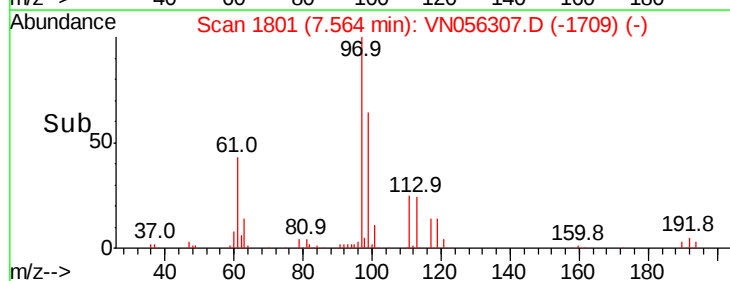
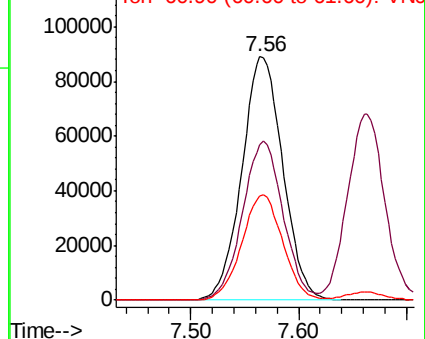
97 100

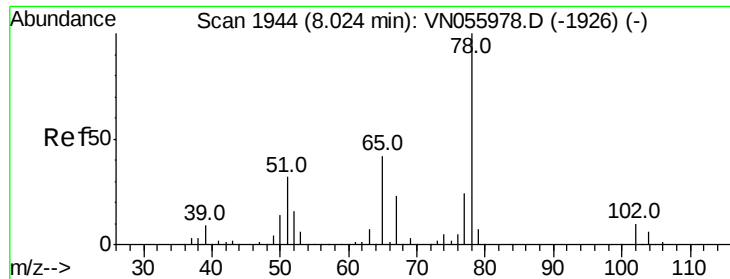
99 64.6 52.0 78.0

61 43.3 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





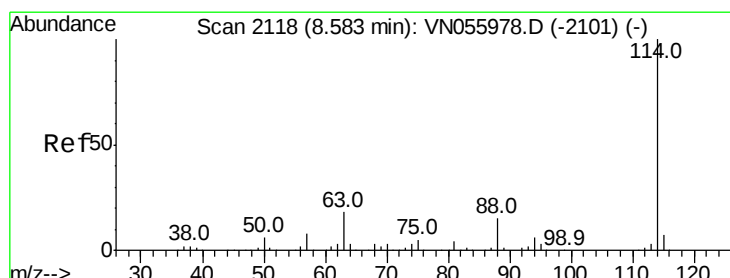
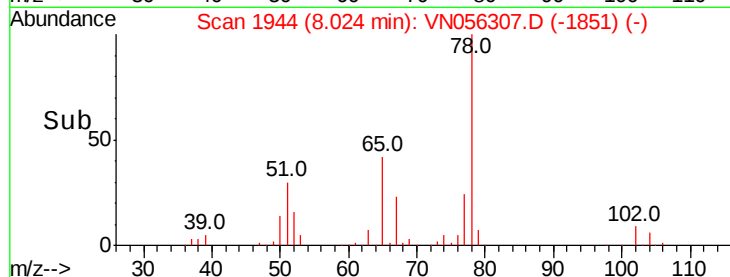
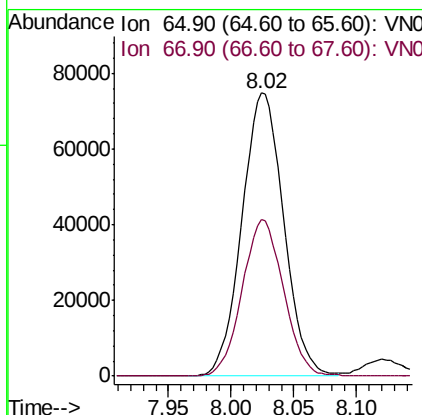
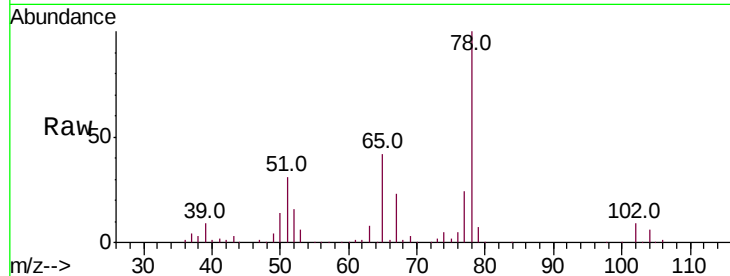
#33
 1,2-Dichloroethane-d4
 Concen: 52.770 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	109.2

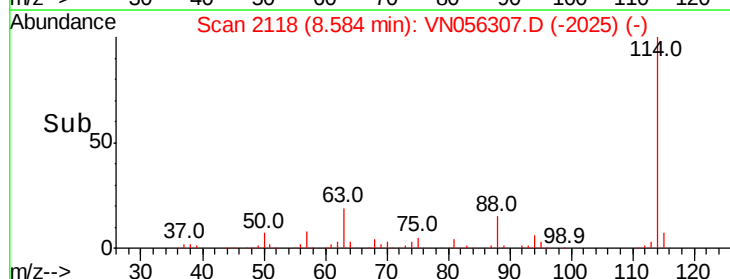
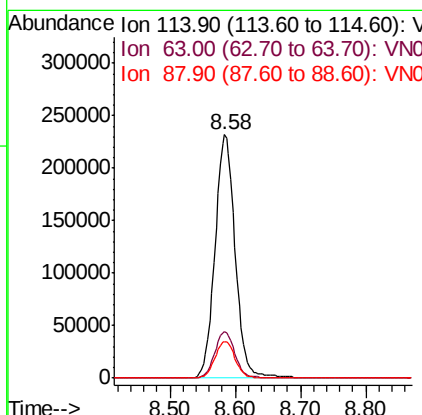
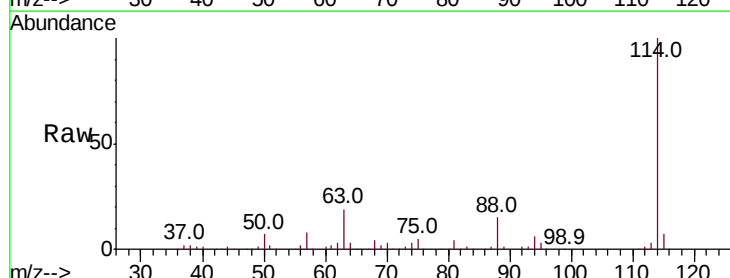
Manual Integrations
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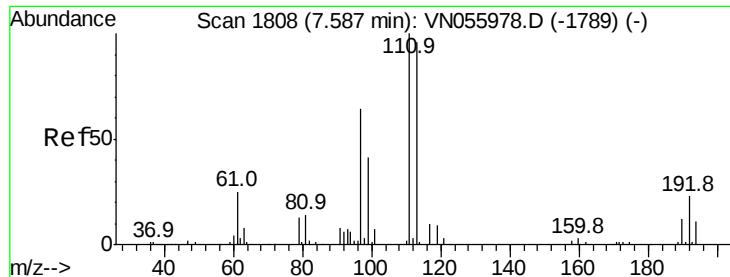
MMDadoda
 6/17/2019 9:45:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.2
88	15.1	0.0	31.0





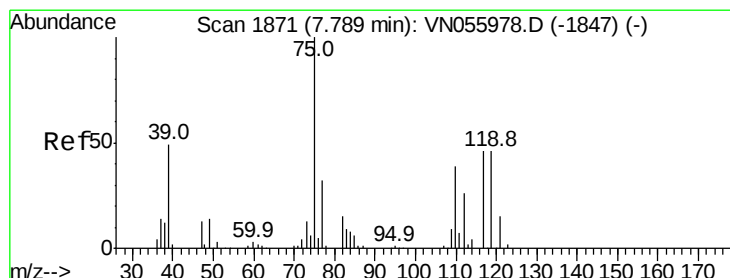
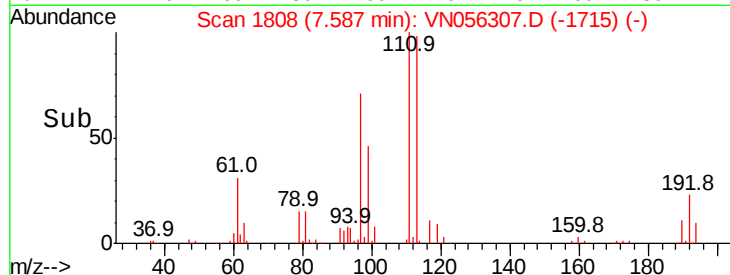
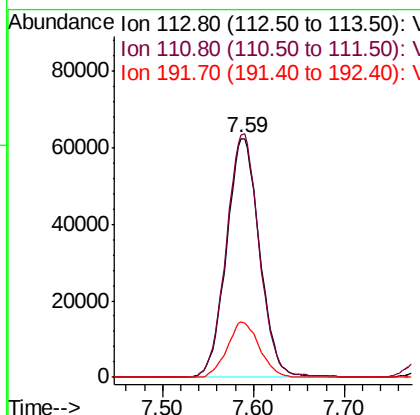
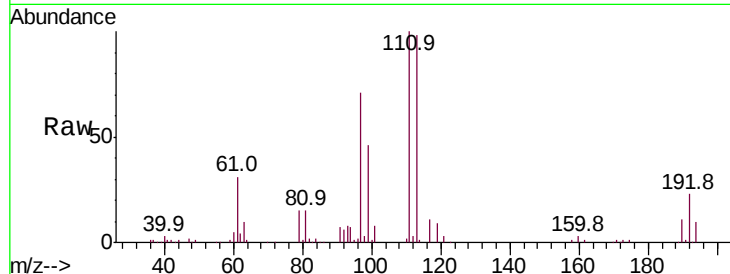
#35
 Dibromofluoromethane
 Concen: 51.381 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.9	122.9	
192	22.6	19.5	29.3	

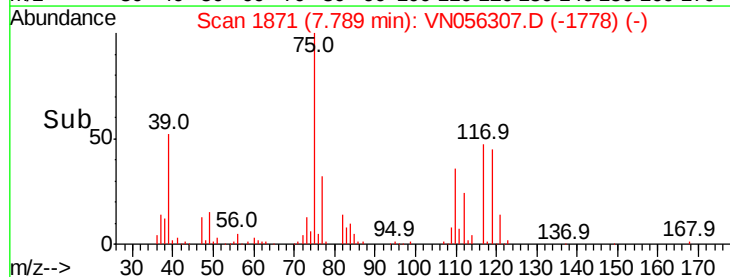
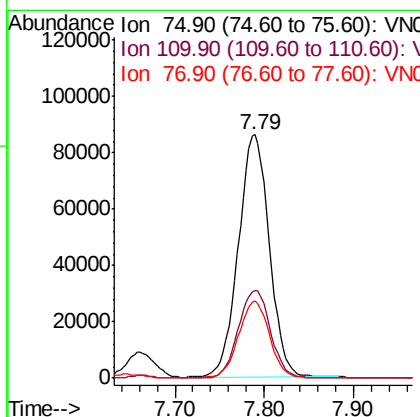
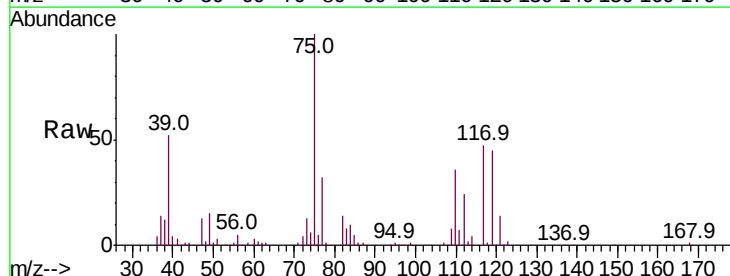
Manual Integrations
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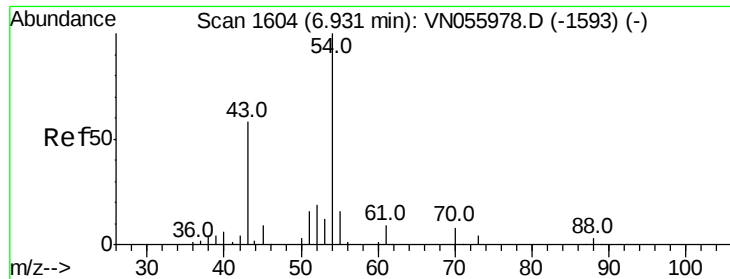
MMDadoda
 6/17/2019 9:45:45 AM



#36
 1,1-Dichloropropene
 Concen: 48.588 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	19.0	57.0	
77	31.7	25.1	37.7	





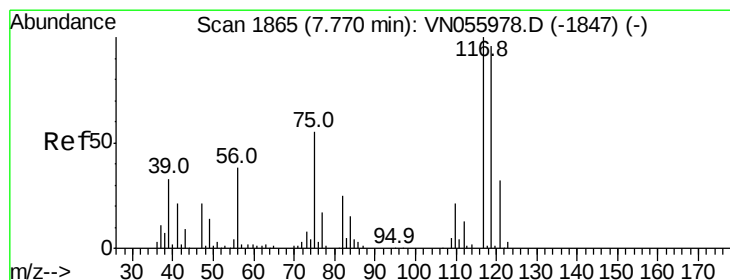
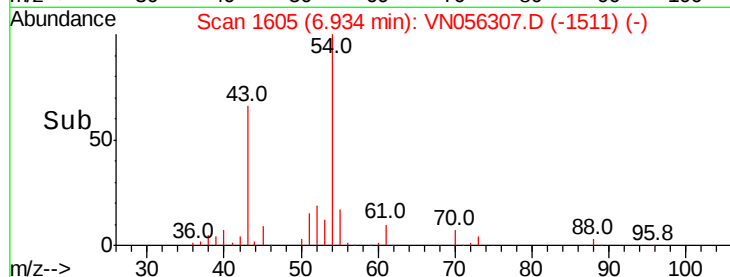
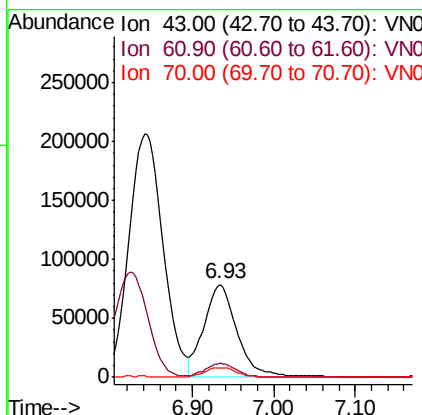
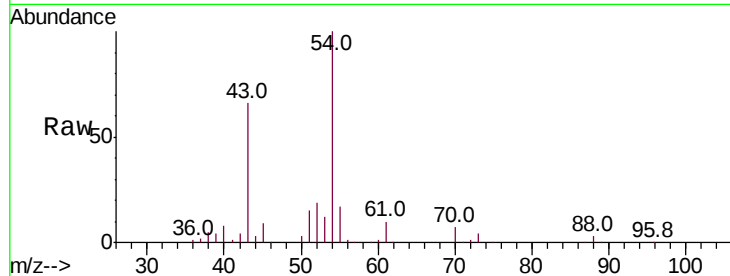
#37
Ethyl Acetate
Concen: 57.885 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.9	8.9	13.3

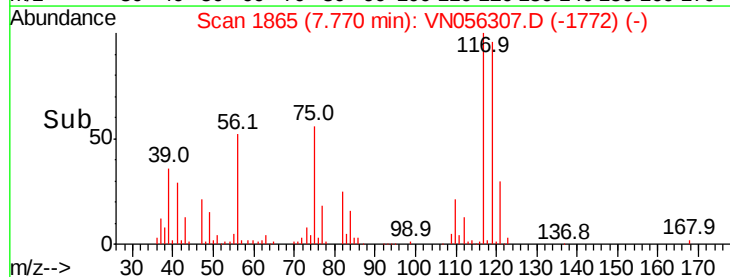
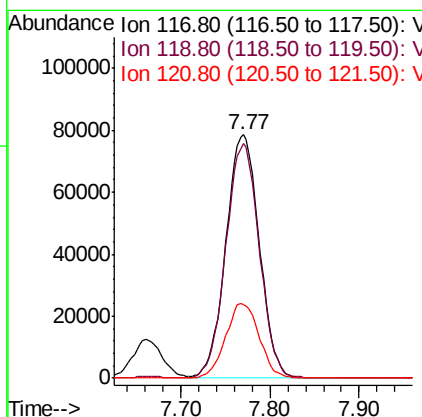
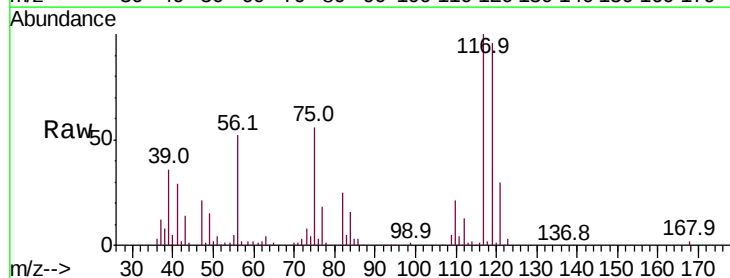
Manual Integrations
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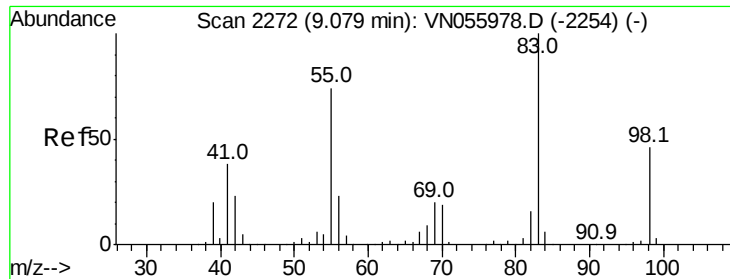
MMDadoda
6/17/2019 9:45:45 AM



#38
Carbon Tetrachloride
Concen: 51.683 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	79.0	118.6
121	30.2	24.7	37.1





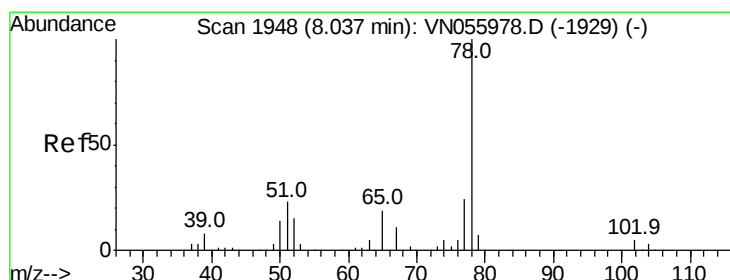
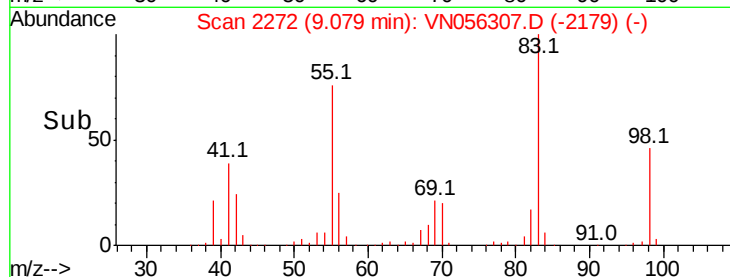
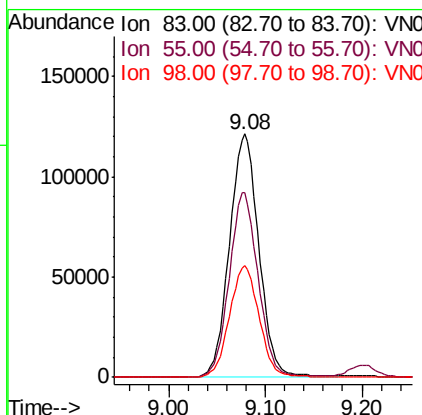
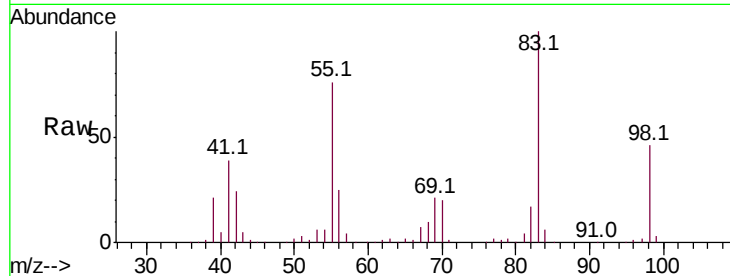
#39
Methvlcvclohexane
Concen: 48.106 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	59.3	88.9
98	46.1	36.6	54.8

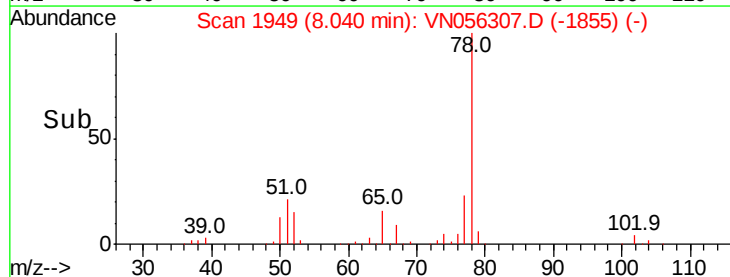
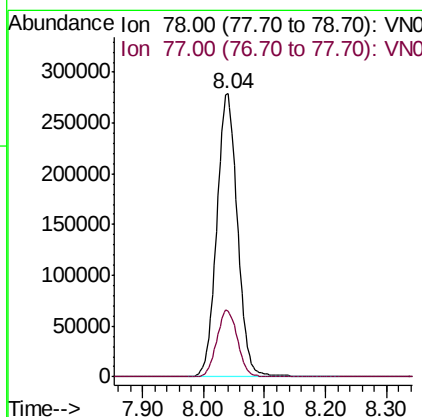
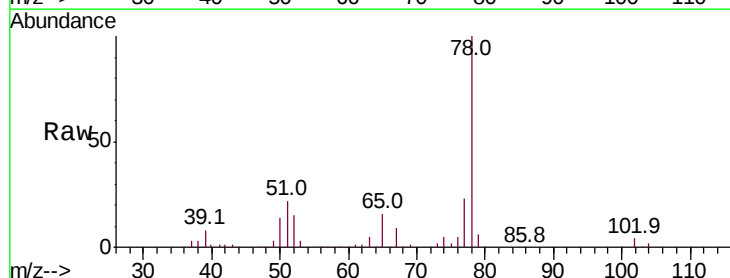
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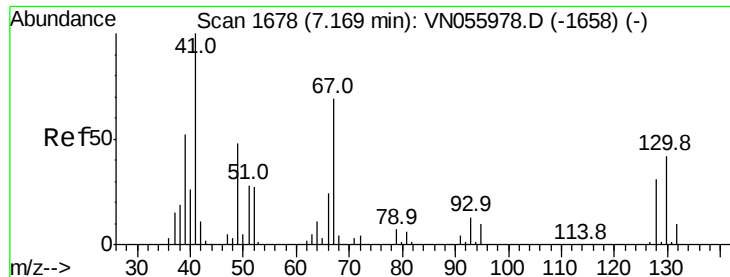
MMDadoda
6/17/2019 9:45:45 AM



#40
Benzene
Concen: 50.399 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41

Methacrylonitrile

Concen: 55.577 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 97566

Ion Ratio Lower Upper

41 100

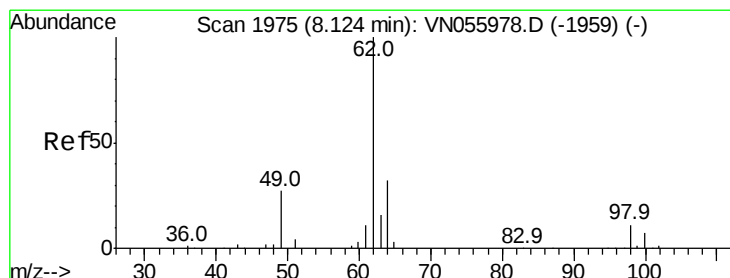
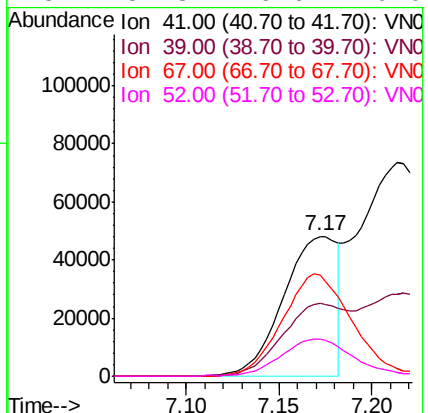
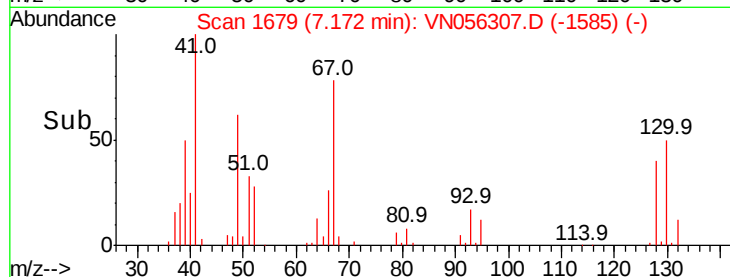
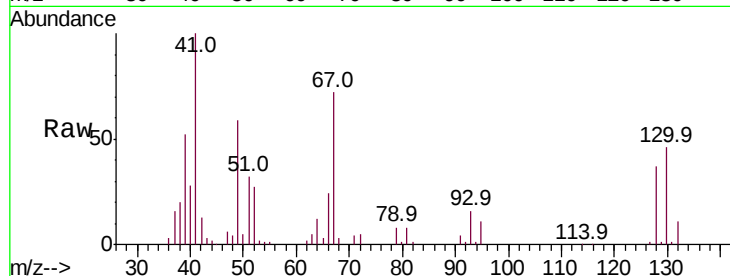
39 65.9 45.6 68.4

67 94.9 67.7 101.5

52 34.3 26.6 40.0

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



#42

1,2-Dichloroethane

Concen: 51.980 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056307.D

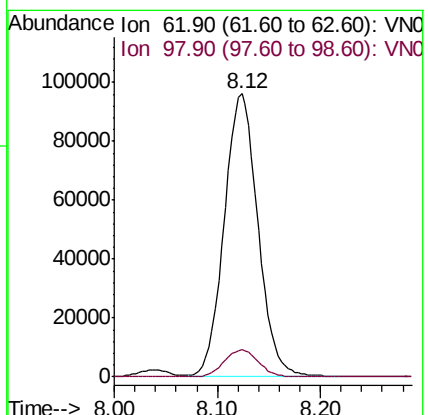
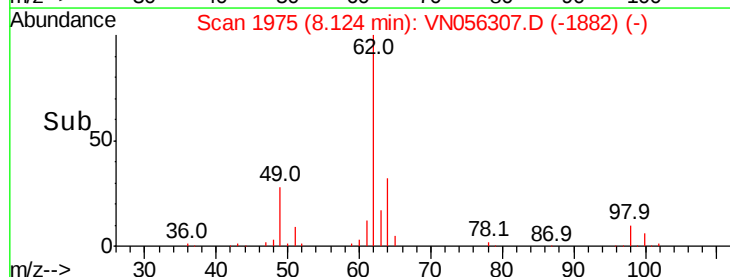
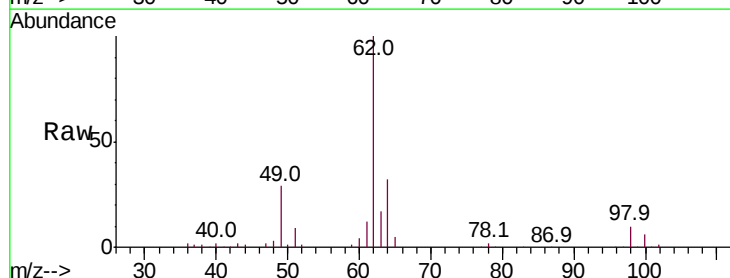
Acq: 14 Jun 2019 13:09

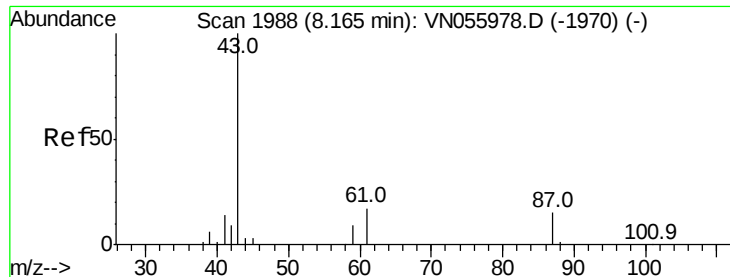
Tgt Ion: 62 Resp: 217772

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.2





#43

Isopropyl Acetate

Concen: 53.680 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

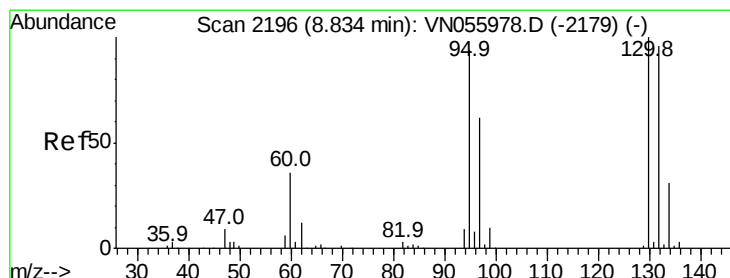
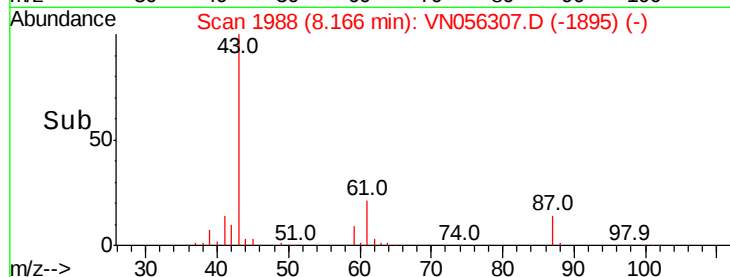
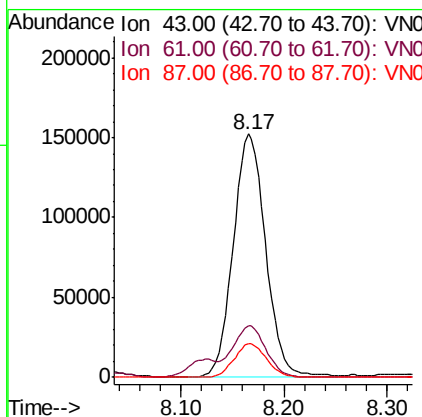
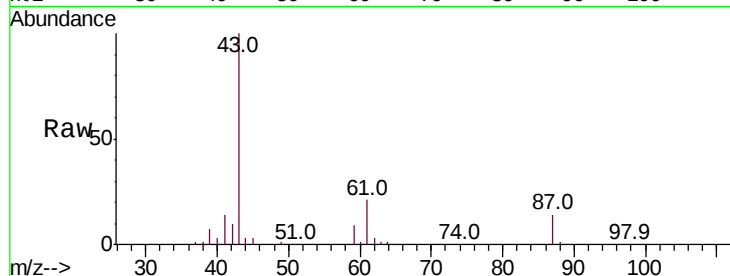
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	331900
Ion	Ratio	Lower	Upper
43	100		
61	21.3	22.2	33.4#
87	14.0	11.4	17.2

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#44

Trichloroethene

Concen: 48.676 ug/l

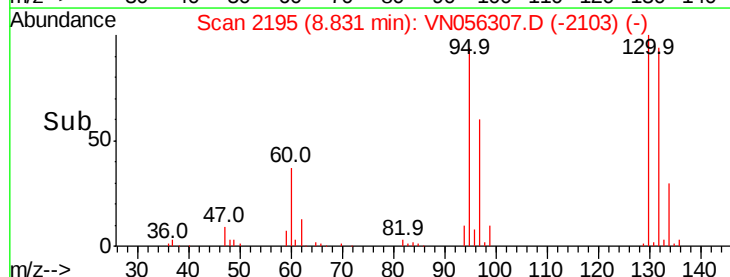
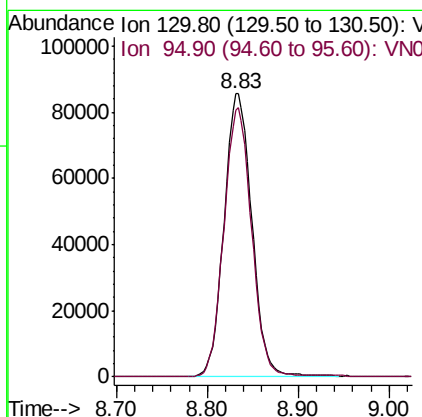
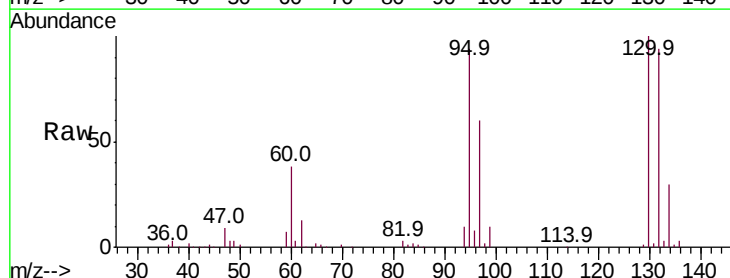
RT: 8.83 min Scan# 2195

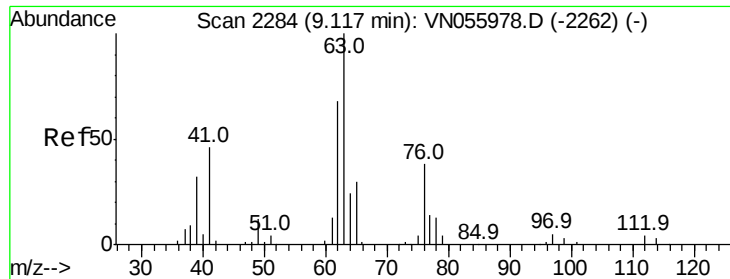
Delta R.T. -0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Tgt Ion:	130	Resp:	182172
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	188.0





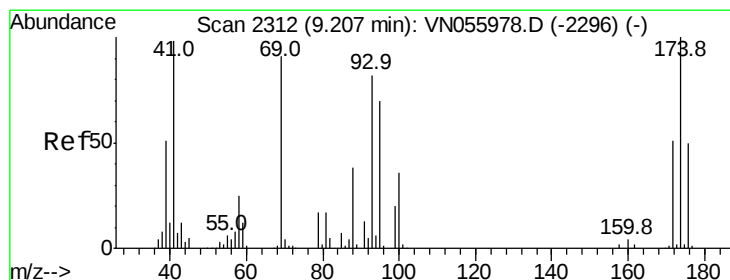
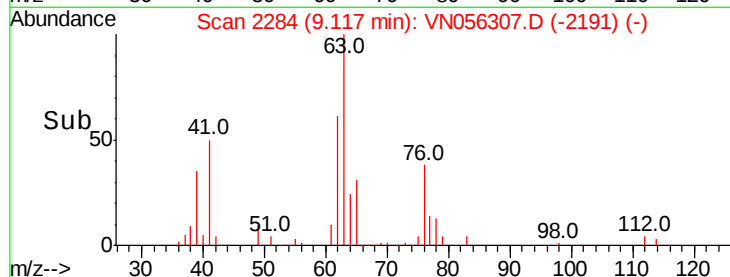
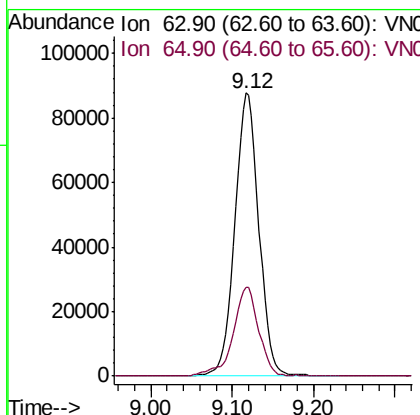
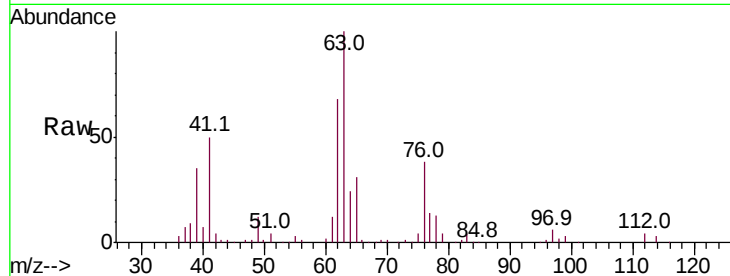
#45
 1,2-Dichloropropane
 Concen: 53.926 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.6	36.8

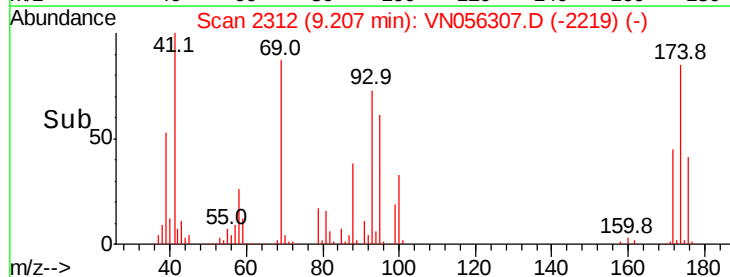
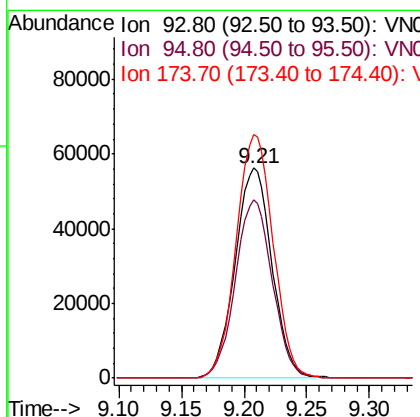
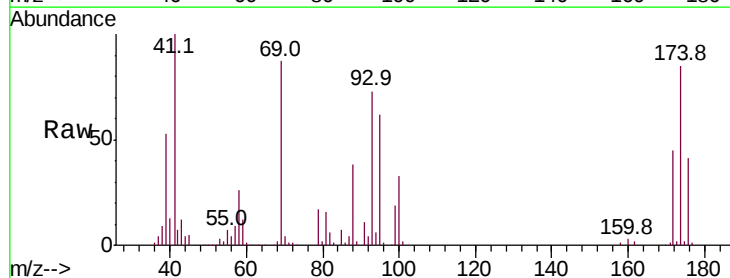
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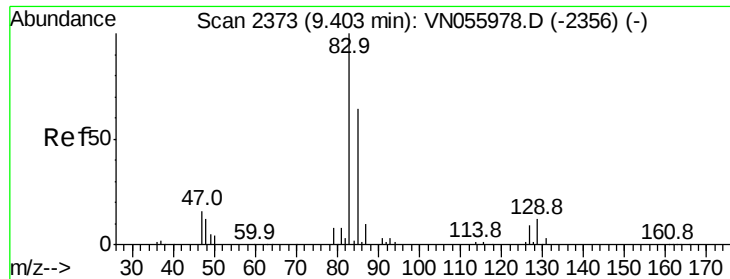
MMDadoda
 6/17/2019 9:45:45 AM



#46
 Dibromomethane
 Concen: 52.715 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	66.7	100.1
174	116.4	96.4	144.6





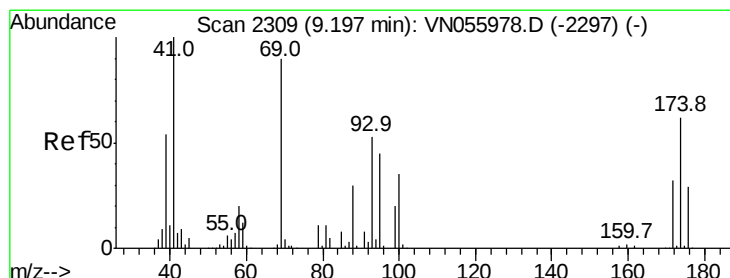
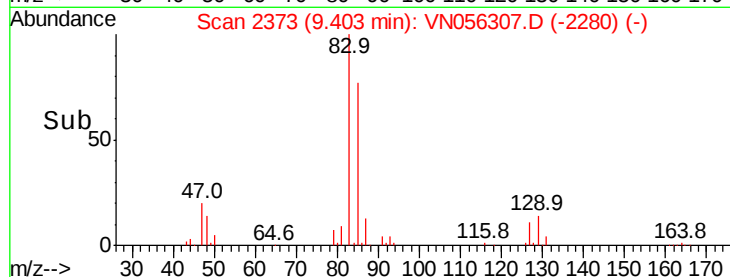
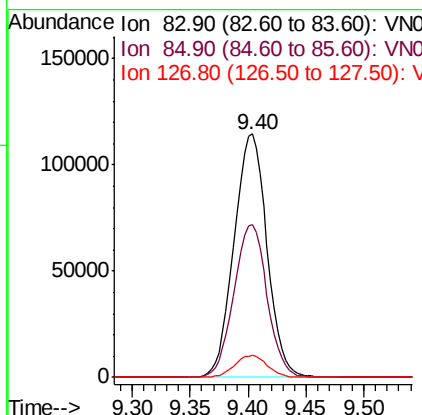
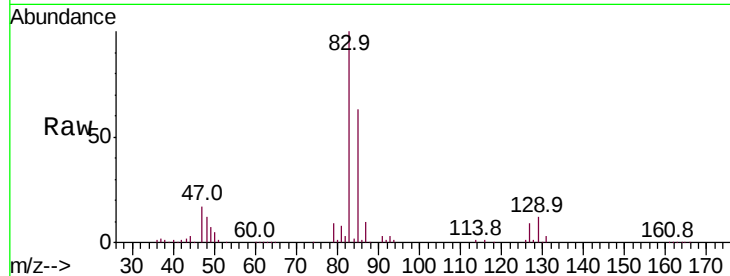
#47
Bromodichloromethane
Concen: 57.128 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	225876
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	52.2	78.2
127	8.9	7.4	11.0

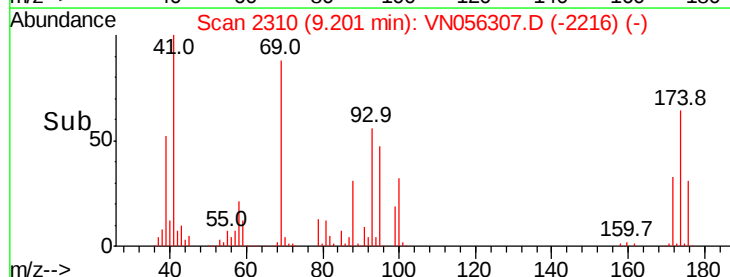
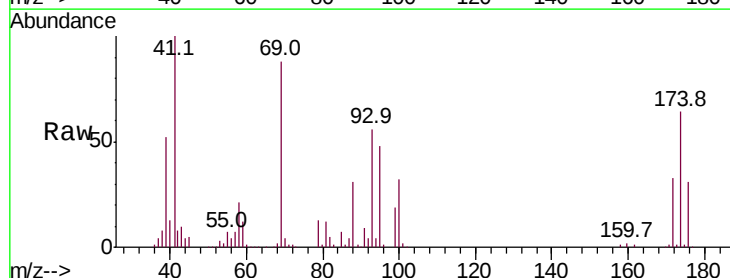
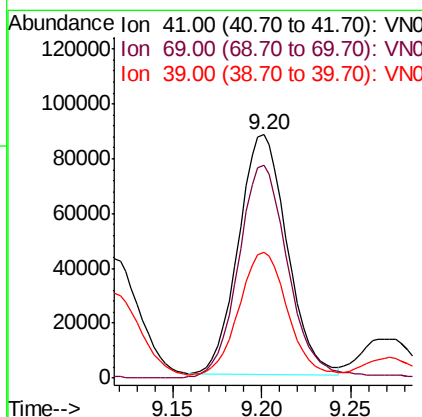
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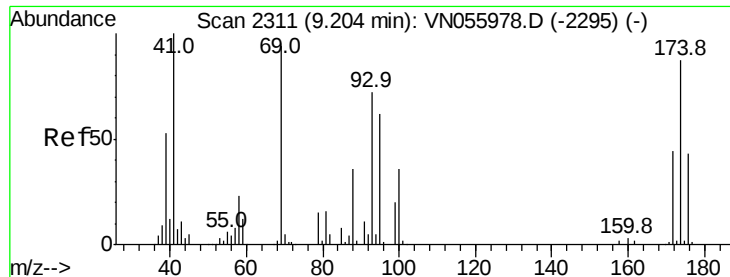
MMDadoda
6/17/2019 9:45:45 AM



#48
Methyl methacrylate
Concen: 54.874 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	41	Resp	165985
Ion Ratio	100	Lower	Upper
41	100		
69	91.0	71.0	106.6
39	52.8	44.2	66.2





#49

1,4-Dioxane

Concen: 1065.969 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

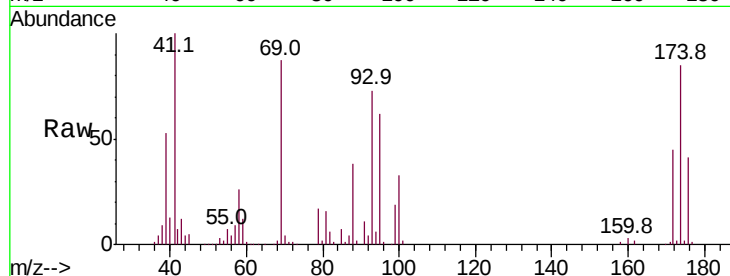
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	69611
Ion Ratio	Lower	Upper	
88	100		
43	27.8	20.5	30.7
58	66.0	55.8	83.6

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

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

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

200000

150000

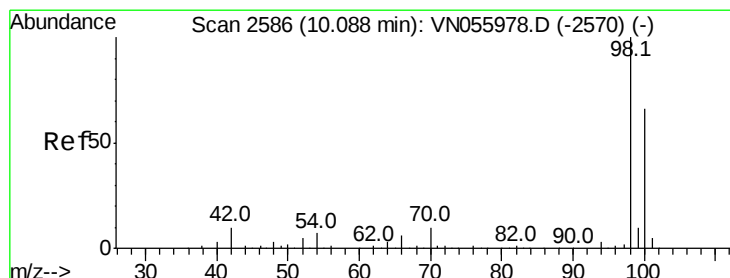
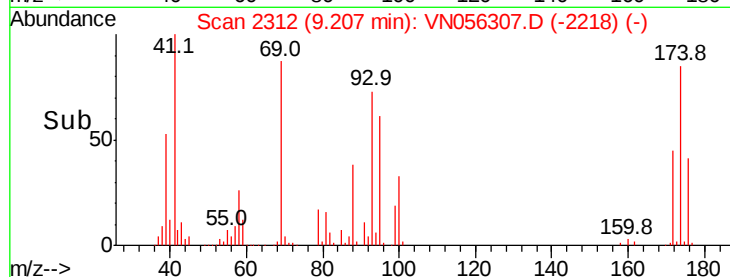
100000

50000

0

9.10 9.20 9.30 9.40

Time-->



#50

Toluene-d8

Concen: 48.677 ug/l

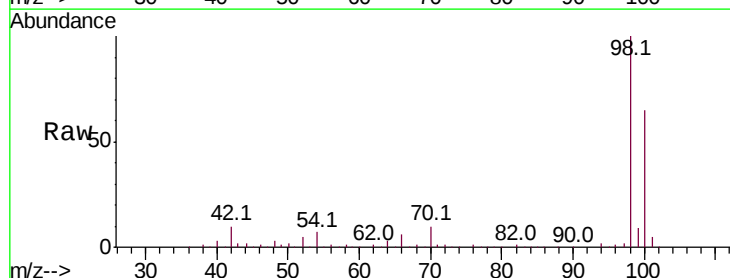
RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Tgt Ion:	98	Resp:	573122
Ion Ratio	Lower	Upper	
98	100		
100	63.3	51.9	77.9



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

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

300000

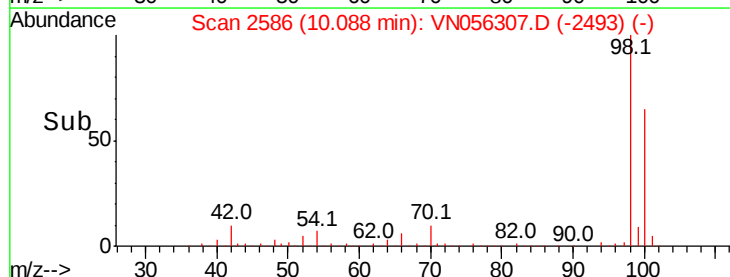
200000

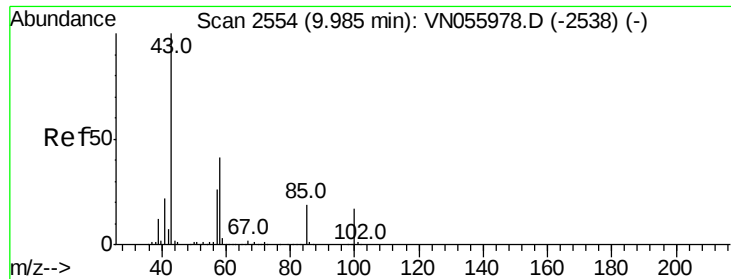
100000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 283.074 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1094499

Ion Ratio Lower Upper

43 100

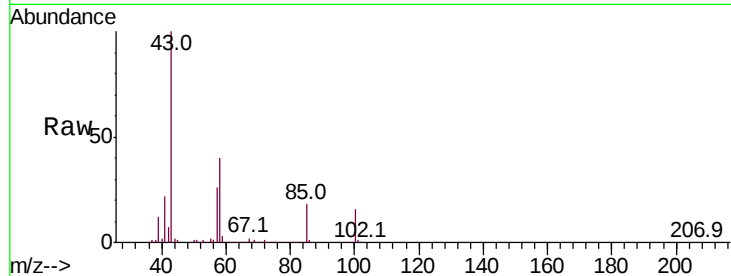
58 39.4 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

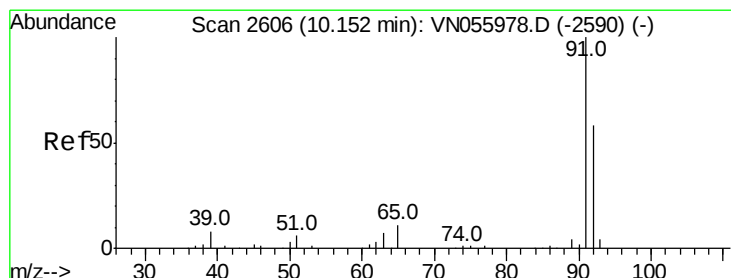
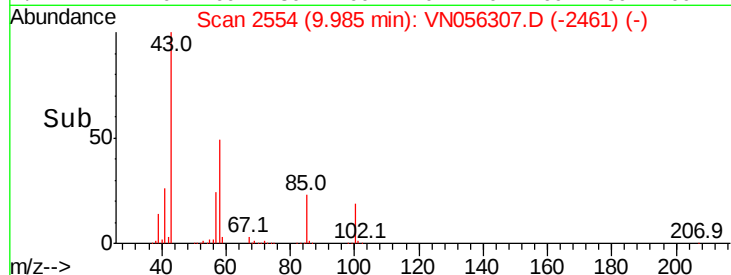
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 50.830 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056307.D

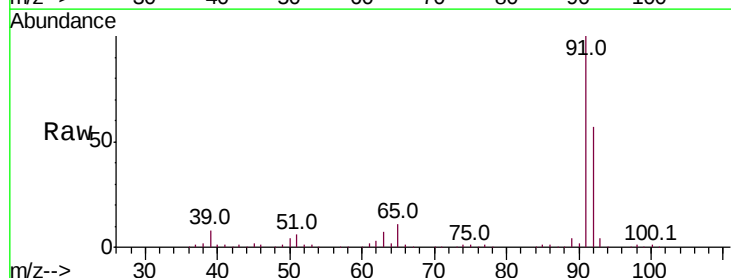
Acq: 14 Jun 2019 13:09

Tgt Ion: 92 Resp: 411958

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

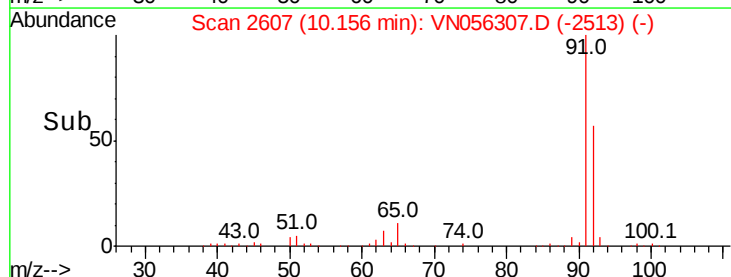
200000

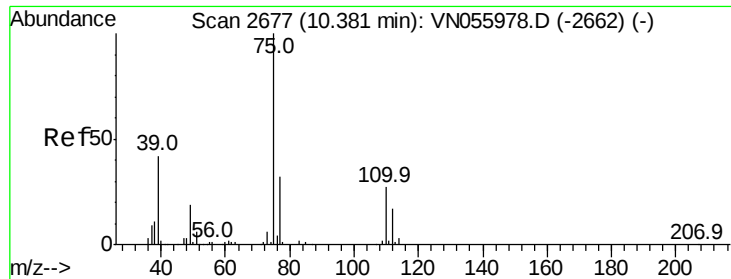
100000

0

10.10 10.20 10.30

Time-->





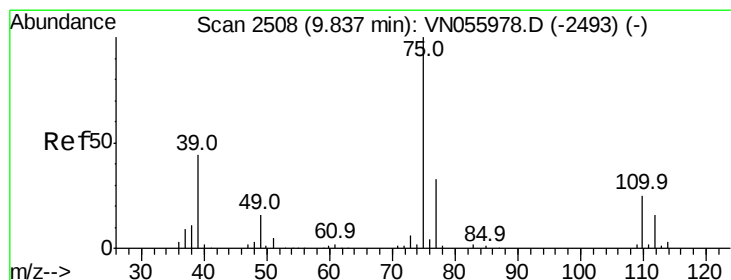
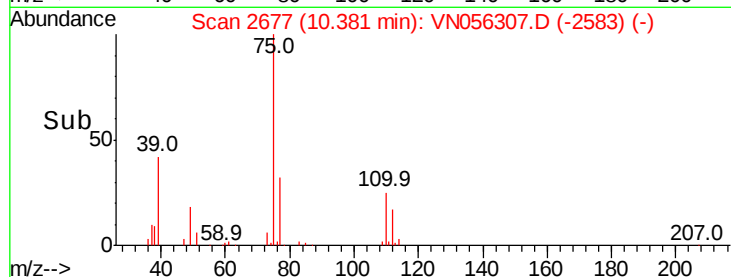
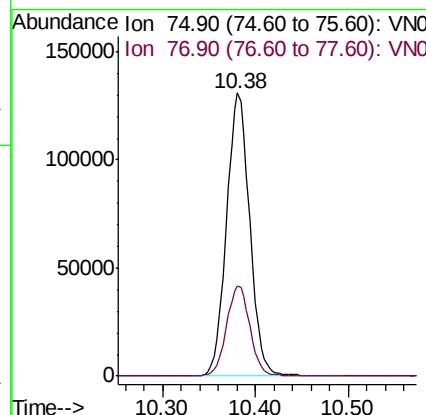
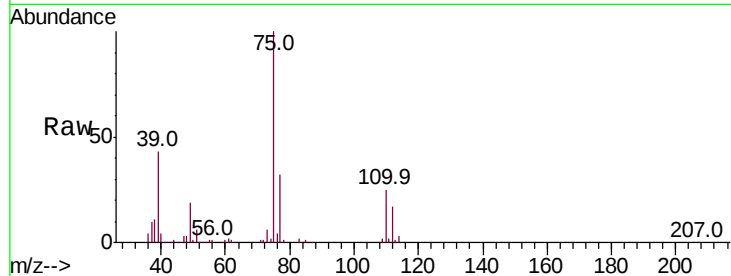
#53
t-1,3-Dichloropropene
Concen: 49.091 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 227354
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

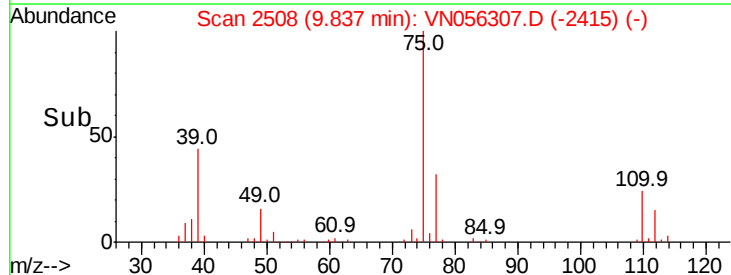
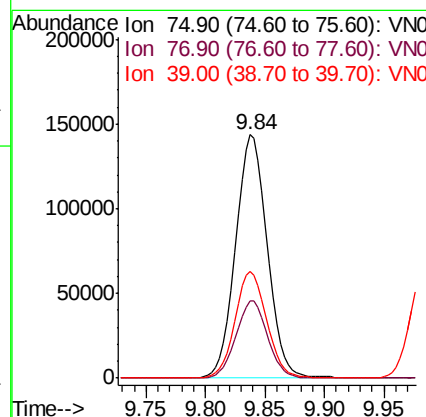
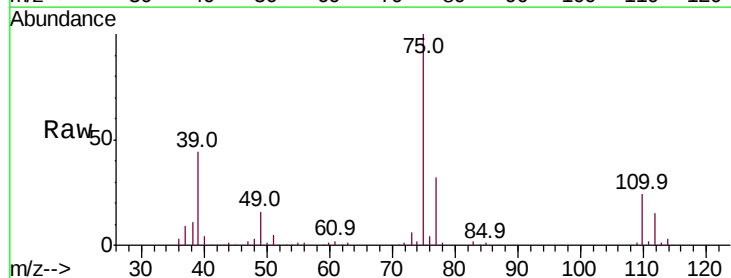
Manual Integrations
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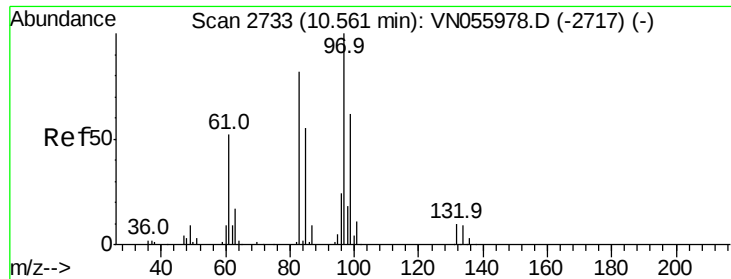
MMDadoda
6/17/2019 9:45:45 AM



#54
cis-1,3-Dichloropropene
Concen: 55.646 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion: 75 Resp: 264465
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 43.7 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 53.351 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 171275

Ion Ratio Lower Upper

97 100

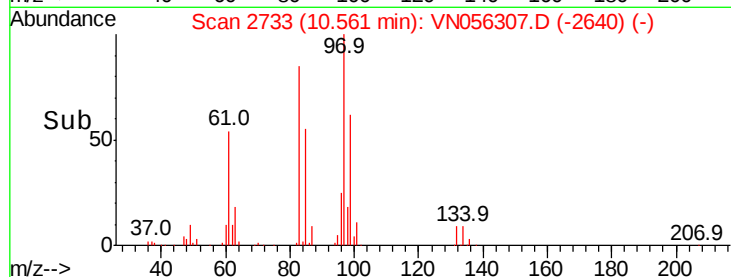
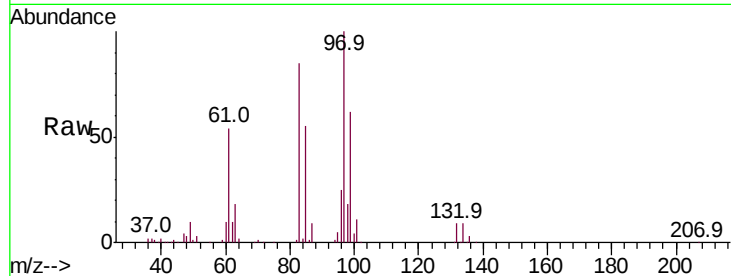
83 85.1 67.0 100.6

85 55.5 44.0 66.0

99 61.9 50.6 75.8

Manual Integrations
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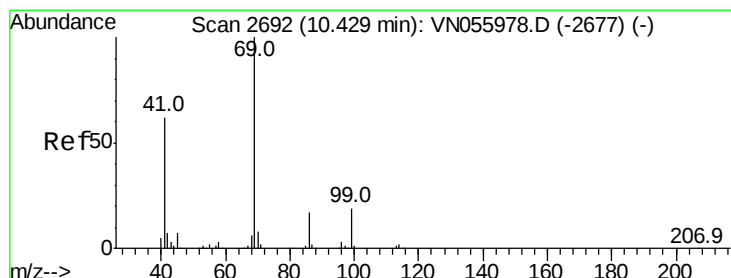
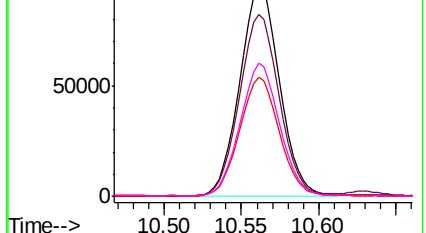


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.758 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

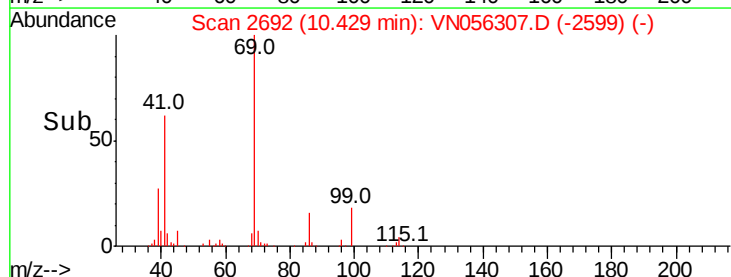
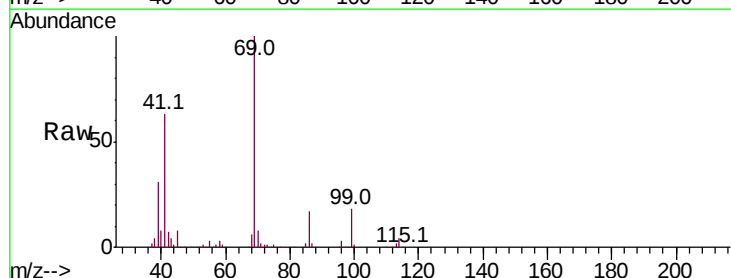
Tgt Ion: 69 Resp: 256461

Ion Ratio Lower Upper

69 100

41 62.7 49.7 74.5

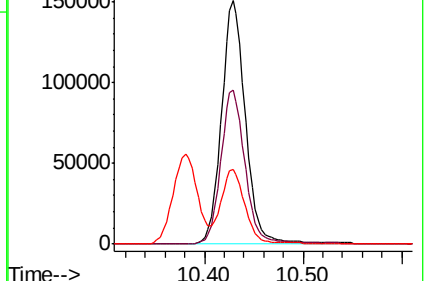
39 30.1 24.7 37.1

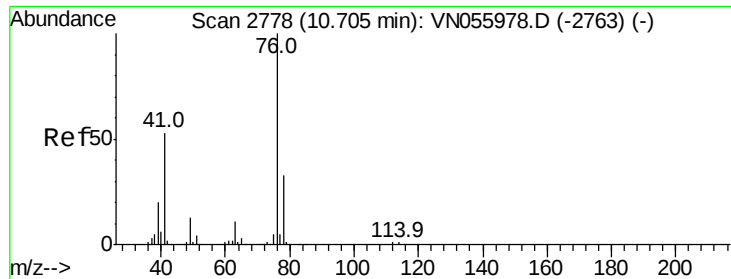


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.477 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 284307

Ion Ratio Lower Upper

76 100

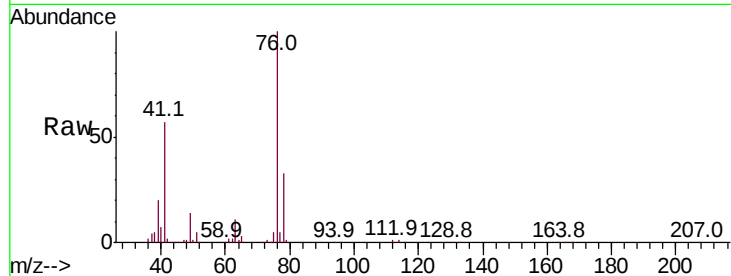
78 32.6 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

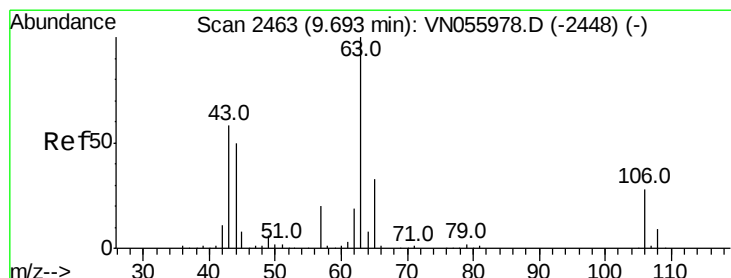
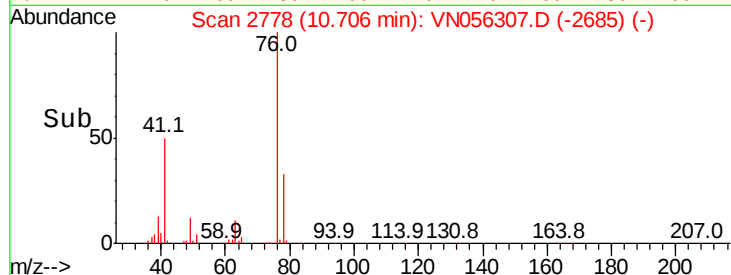
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 221.820 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056307.D

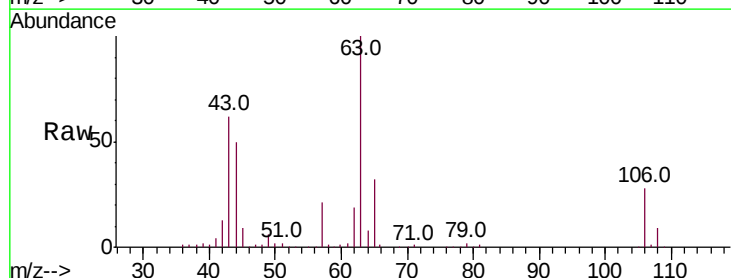
Acq: 14 Jun 2019 13:09

Tgt Ion: 63 Resp: 408599

Ion Ratio Lower Upper

63 100

106 27.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

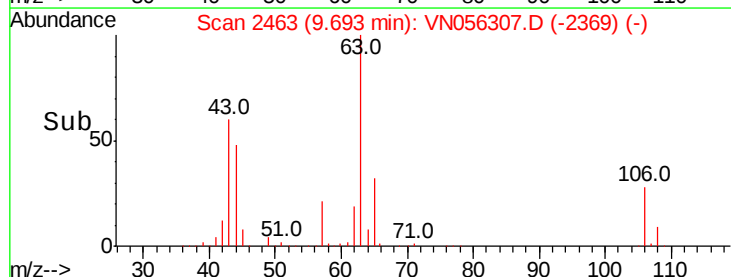
150000

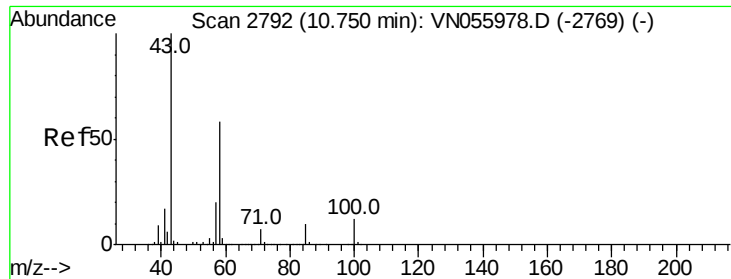
100000

50000

0

Time--> 9.60 9.70 9.80





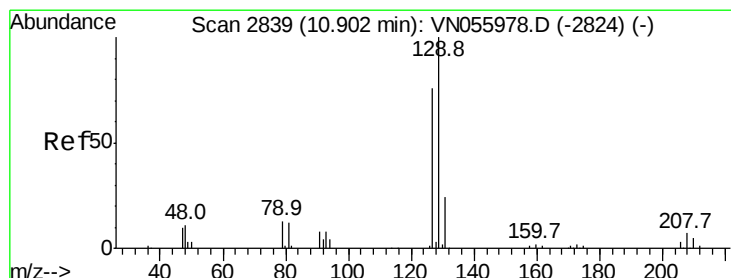
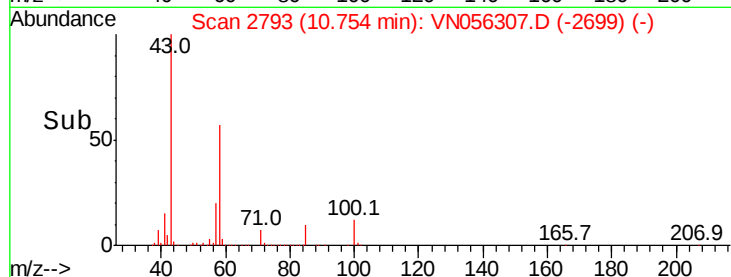
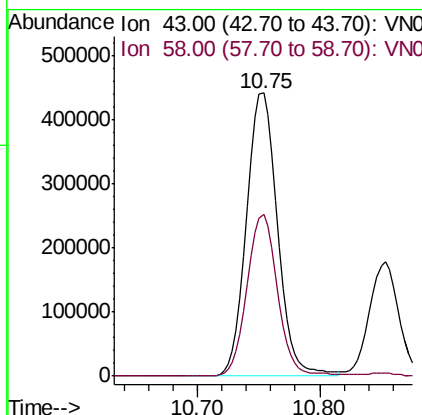
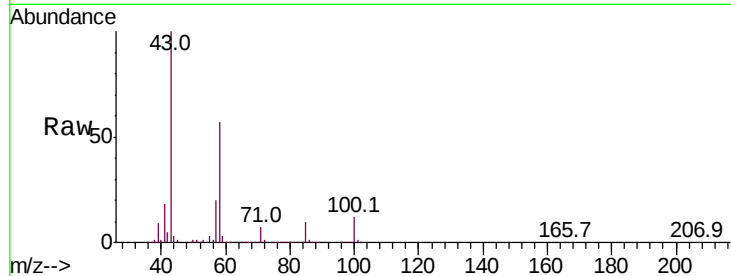
#59
2-Hexanone
Concen: 275.672 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 772527
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7

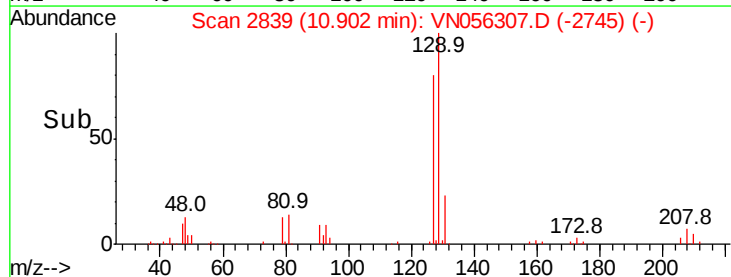
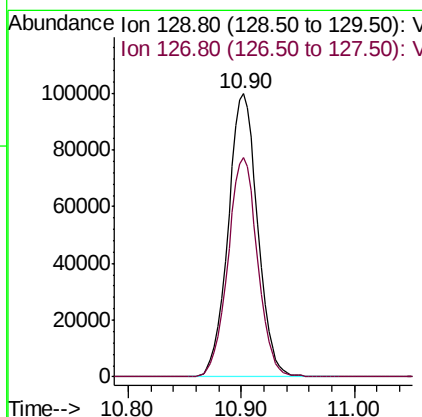
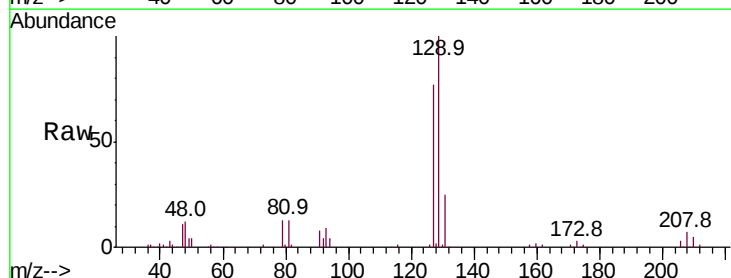
Manual Integrations
APPROVED

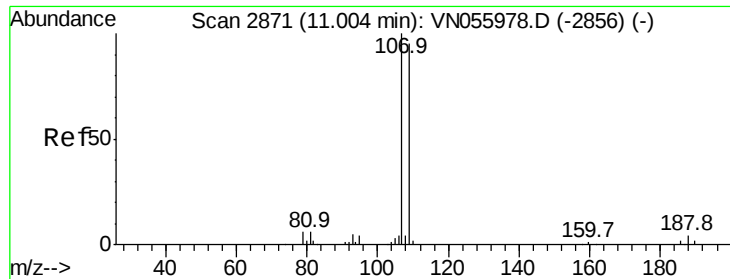
MMDadoda
6/17/2019 9:45:45 AM



#60
Dibromochloromethane
Concen: 51.085 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion: 129 Resp: 181077
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3





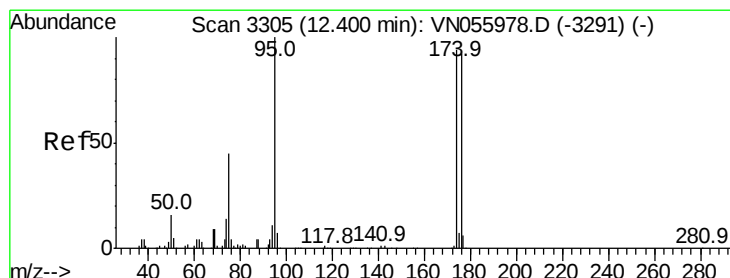
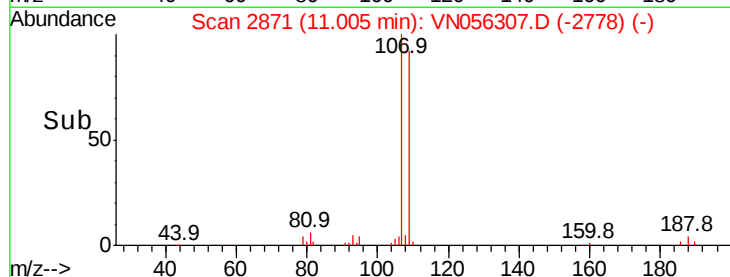
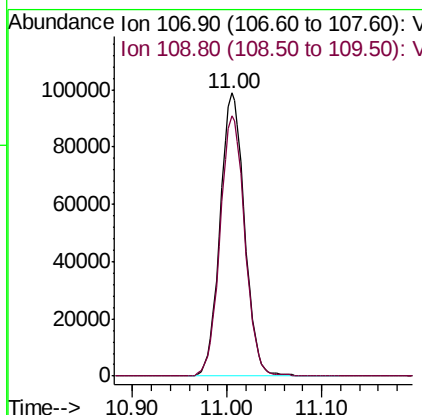
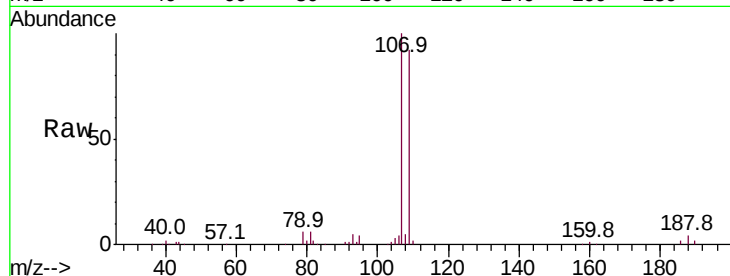
#61
 1,2-Dibromoethane
 Concen: 54.117 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.8	112.2

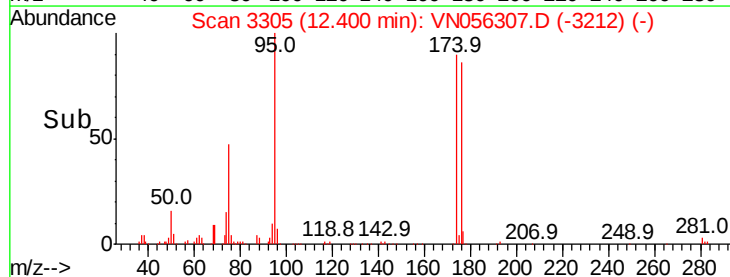
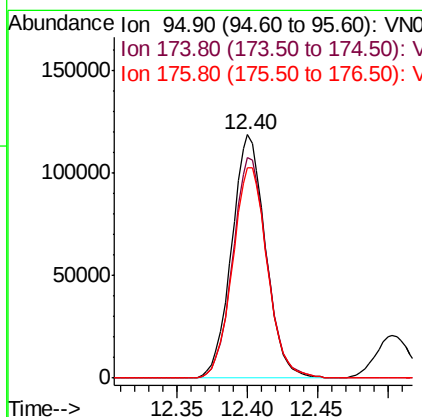
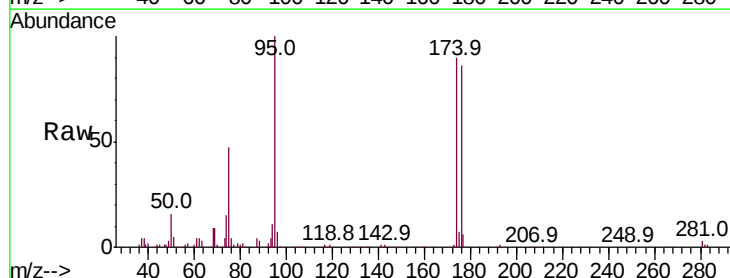
Manual Integrations
 APPROVED

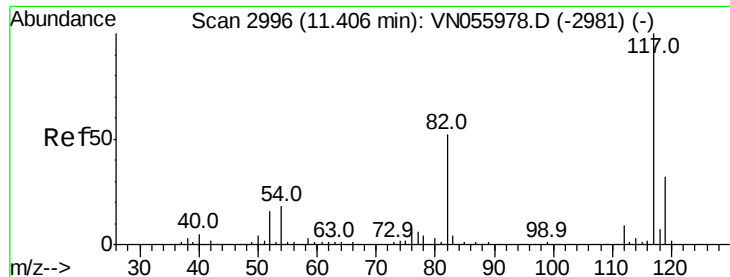
MMDadoda
 6/17/2019 9:45:45 AM



#62
 4-Bromofluorobenzene
 Concen: 49.729 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	191.0
176	88.9	0.0	185.2





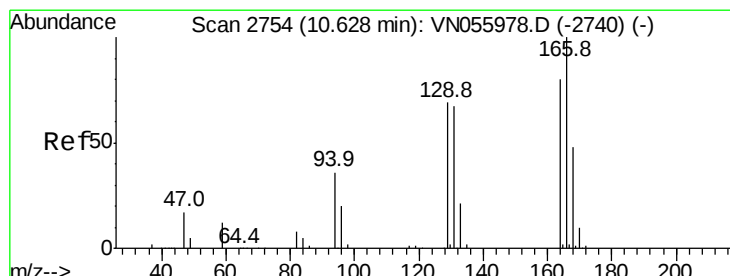
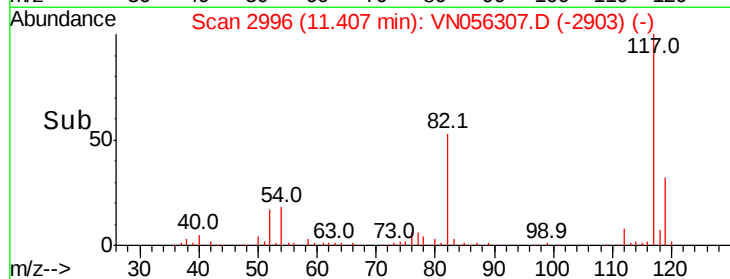
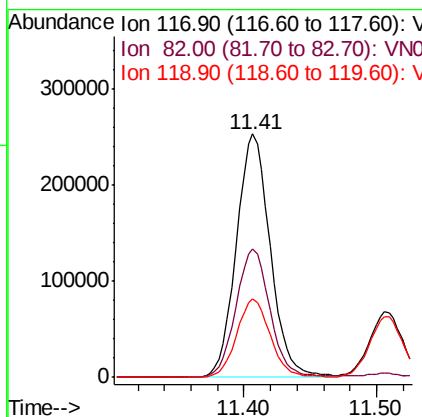
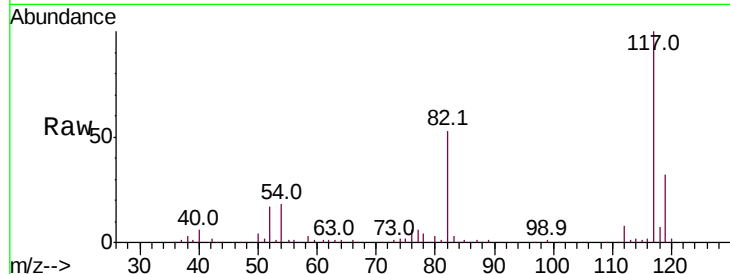
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	32.2	25.4	38.0

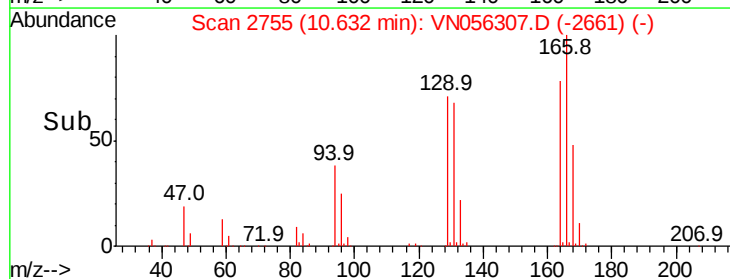
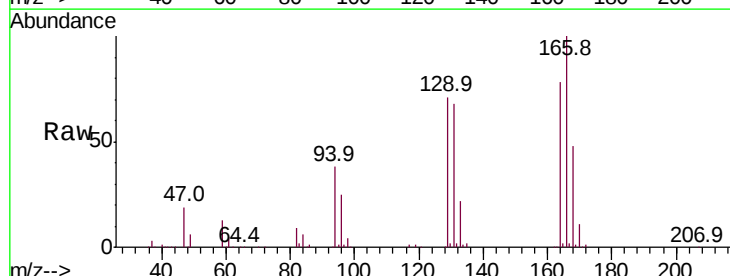
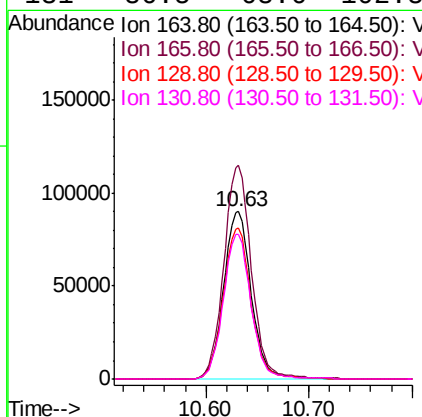
Manual Integrations
APPROVED

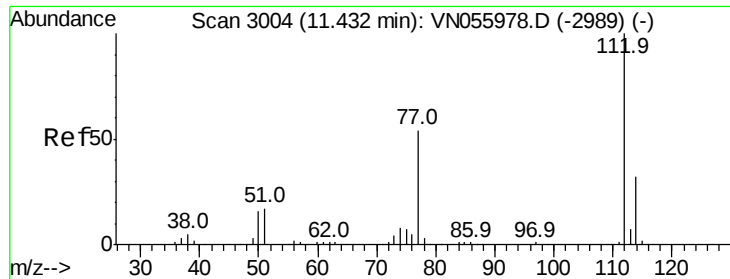
MMDadoda
6/17/2019 9:45:45 AM



#64
Tetrachloroethene
Concen: 43.322 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.0	154.6
129	90.3	70.6	105.8
131	86.5	68.6	102.8





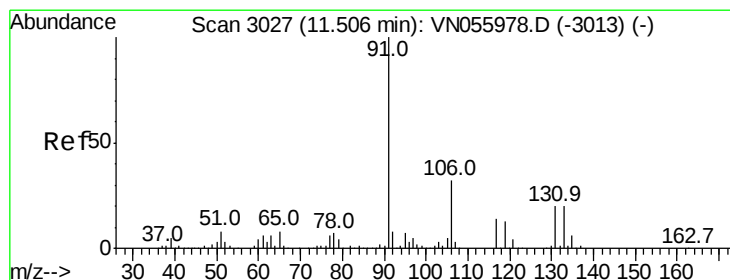
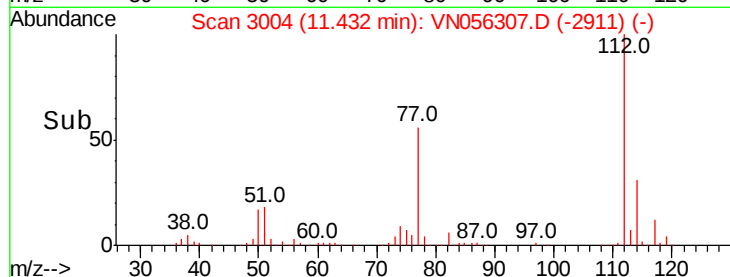
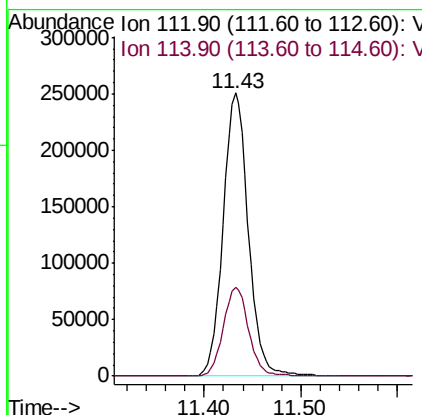
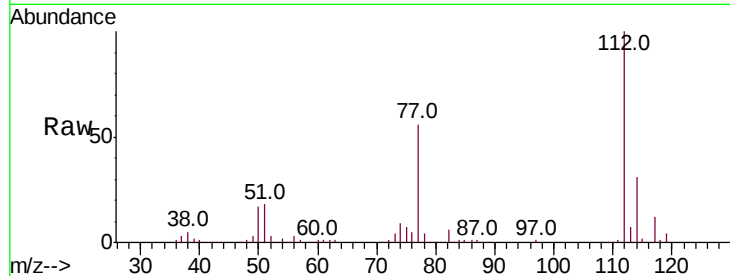
#65
Chlorobenzene
Concen: 50.511 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 453082
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.4

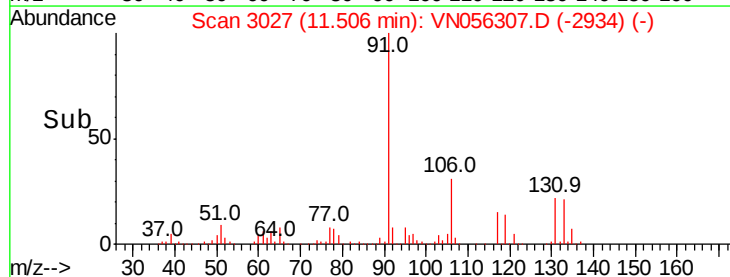
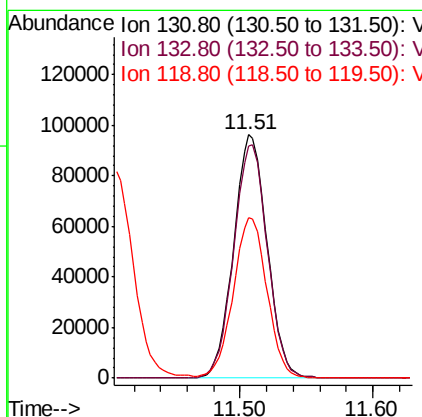
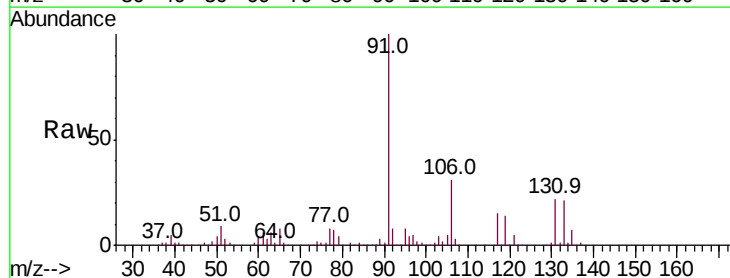
Manual Integrations
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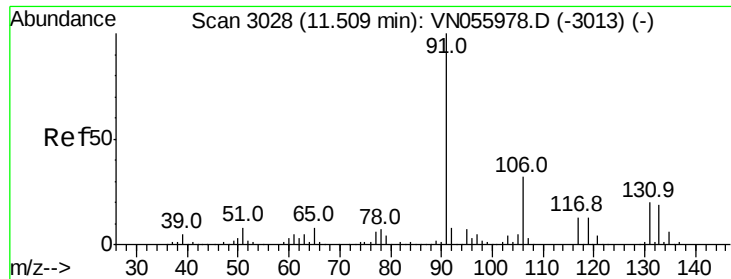
MMDadoda
6/17/2019 9:45:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.521 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion:131 Resp: 168862
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 66.3 33.1 99.5





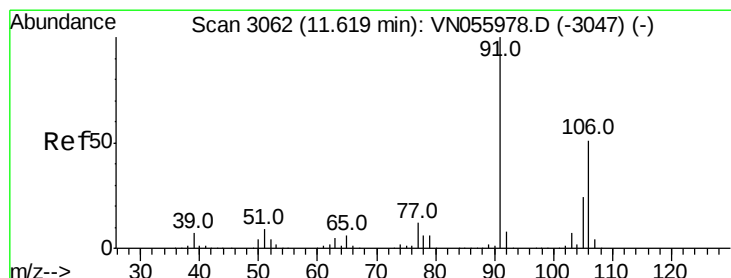
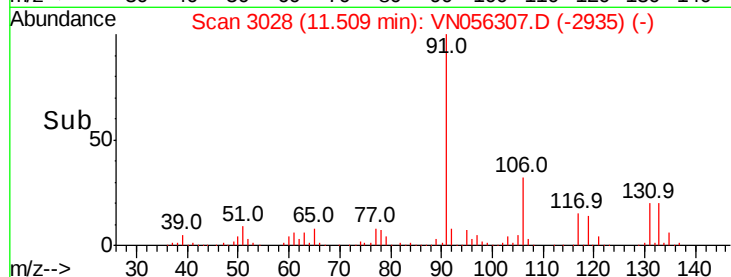
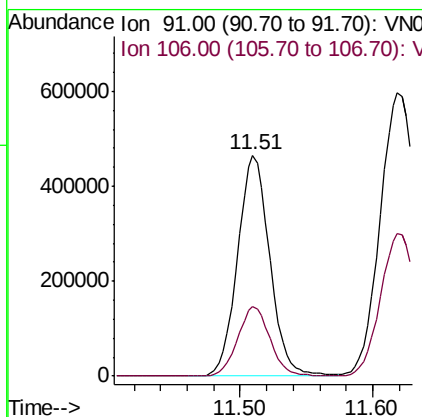
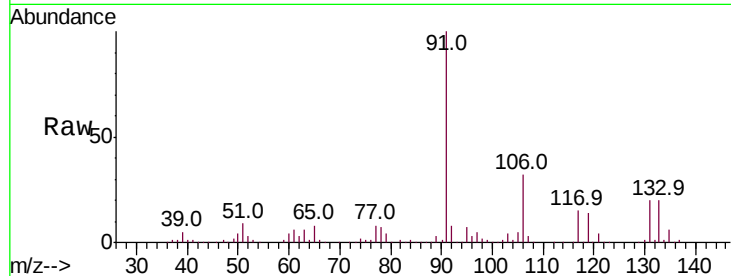
#67
Ethyl Benzene
Concen: 50.308 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 784675
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

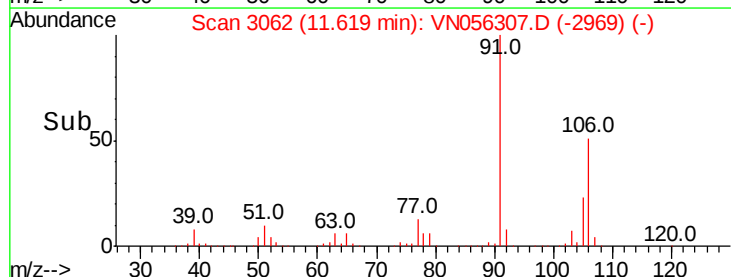
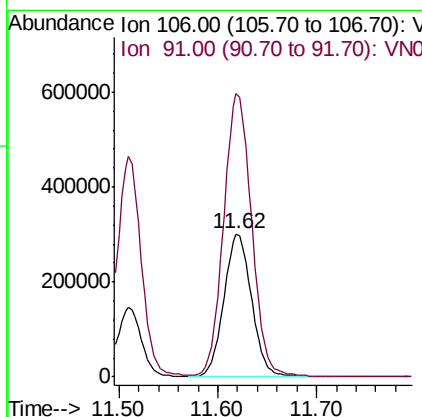
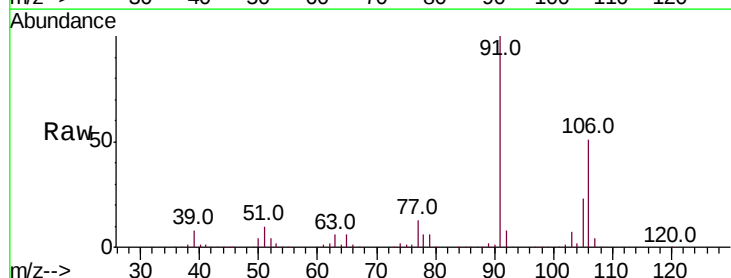
Manual Integrations
APPROVED

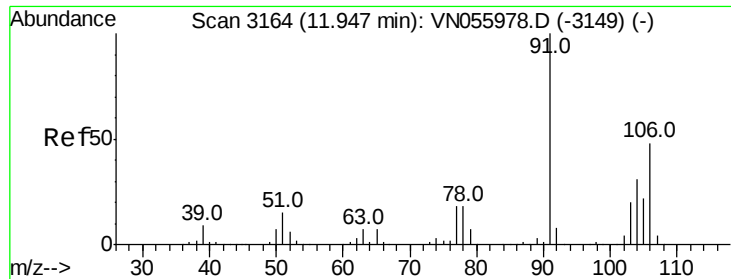
MMDadoda
6/17/2019 9:45:45 AM



#68
m/p-Xylenes
Concen: 99.756 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion: 106 Resp: 594382
Ion Ratio Lower Upper
106 100
91 200.2 159.3 238.9





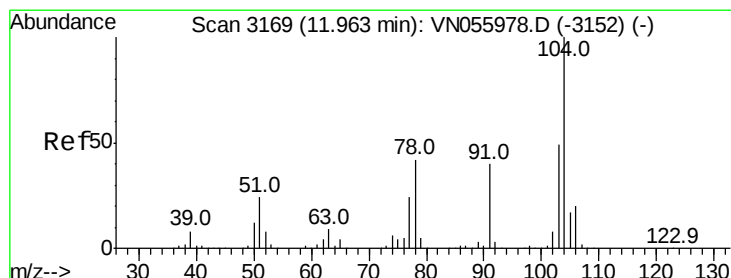
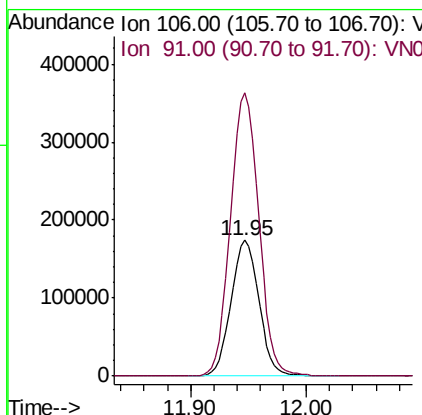
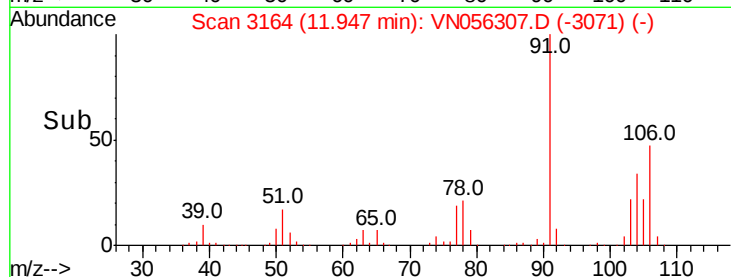
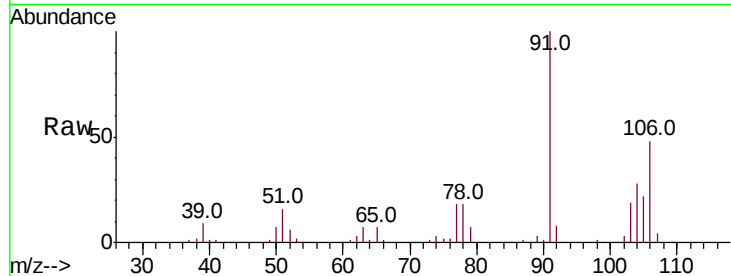
#69
o-Xylene
Concen: 49.335 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 289153
Ion Ratio Lower Upper
106 100
91 212.1 104.7 314.1

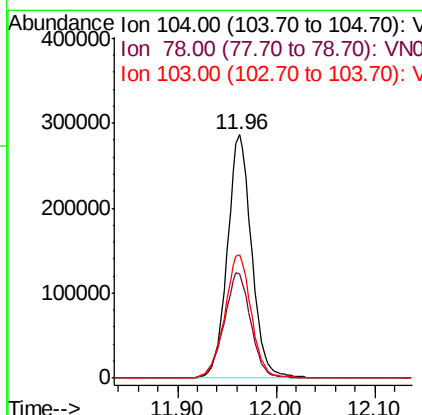
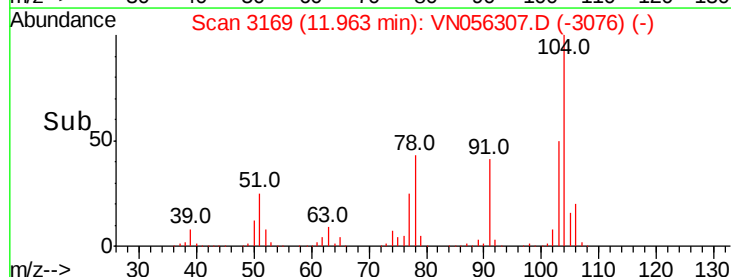
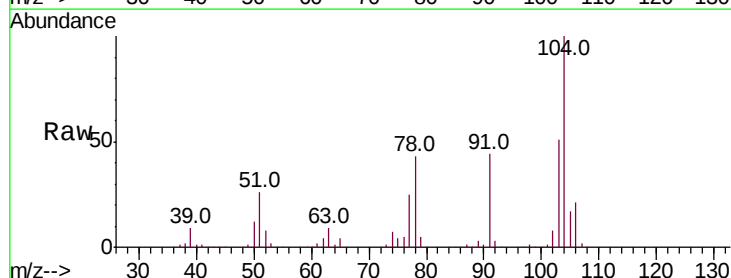
Manual Integrations
APPROVED

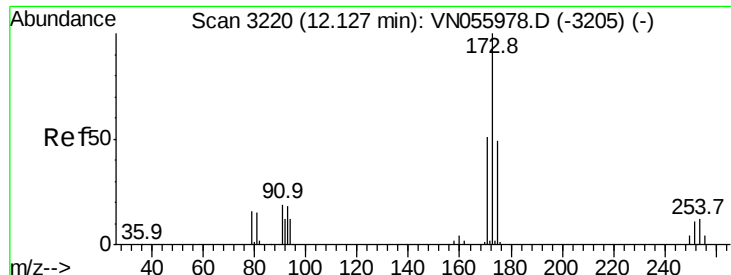
MMDadoda
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#70
Styrene
Concen: 52.819 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion:104 Resp: 491868
Ion Ratio Lower Upper
104 100
78 47.9 37.8 56.6
103 55.6 44.2 66.2





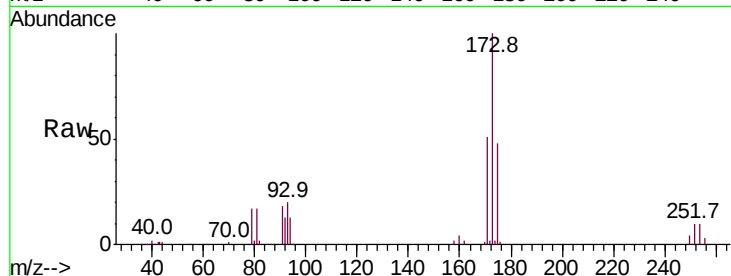
#71
Bromoform
Concen: 50.026 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

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

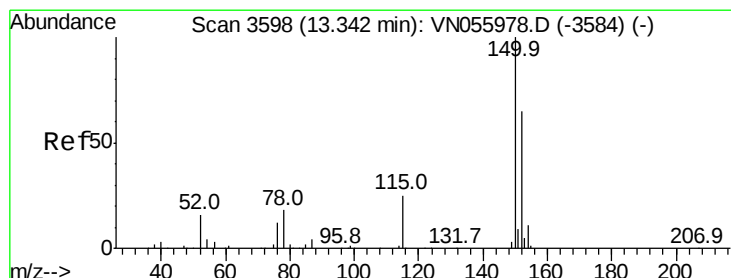
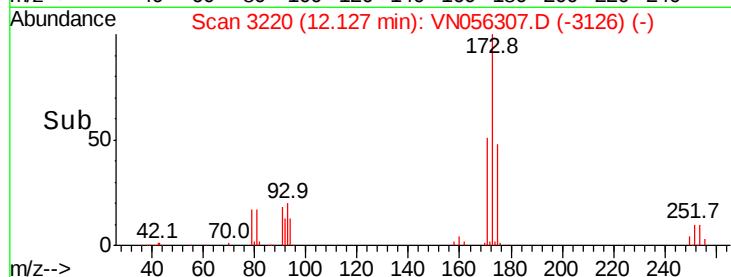
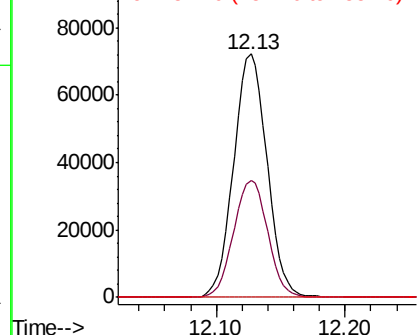


Abundance

Ion 172.70 (172.40 to 173.40): V

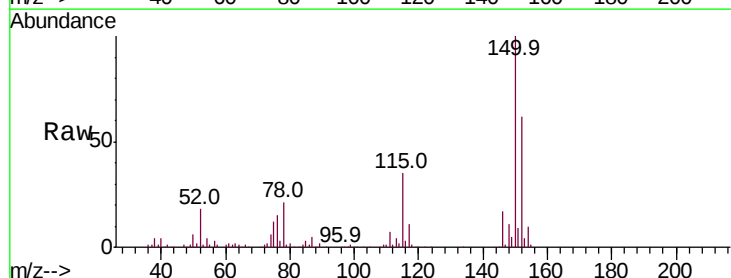
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.0	81.0
150	174.6	0.0	343.2

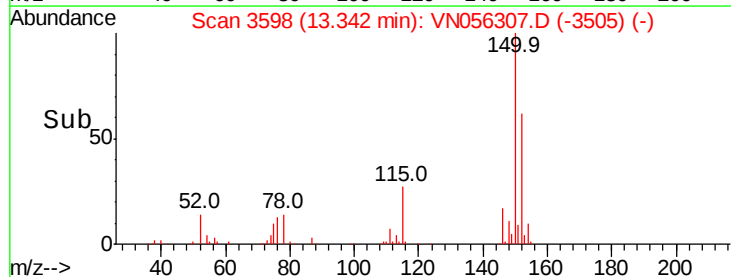
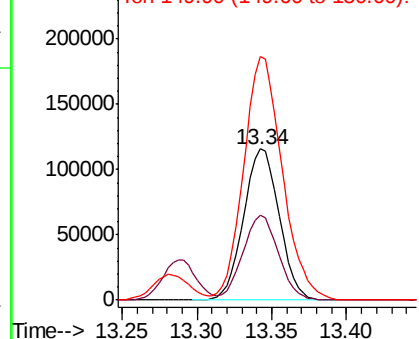


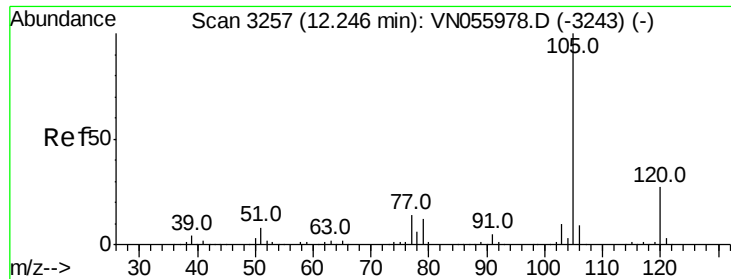
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.964 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 776161

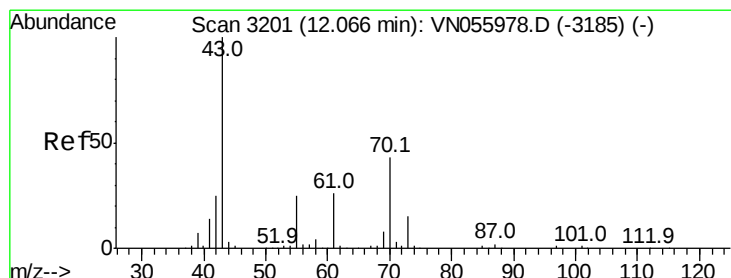
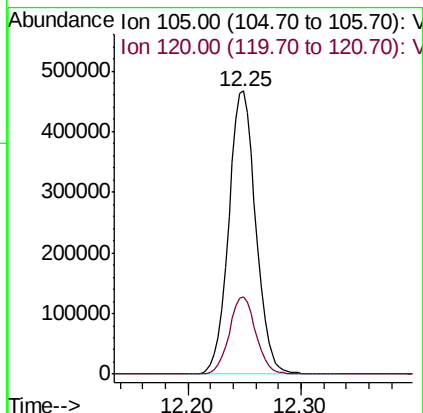
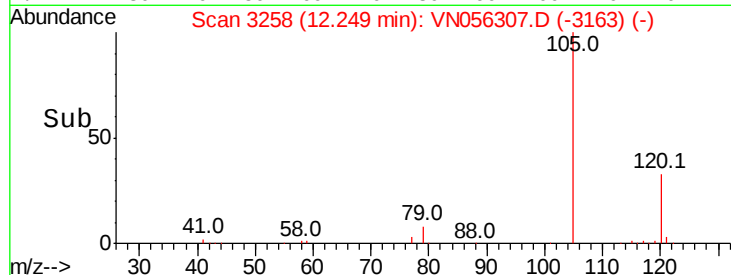
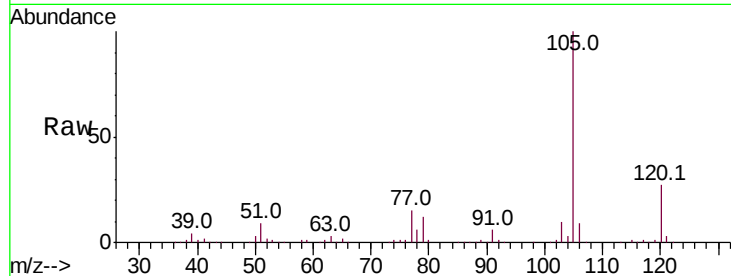
Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

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



#74

N-ethyl acetate

Concen: 53.780 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Tgt Ion: 43 Resp: 275671

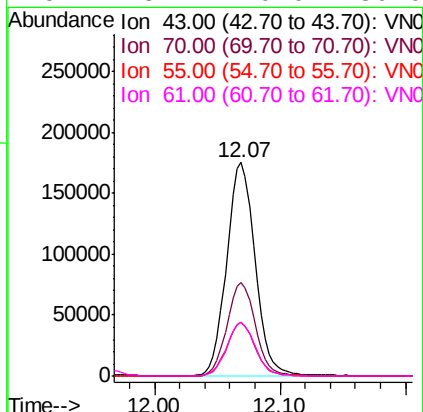
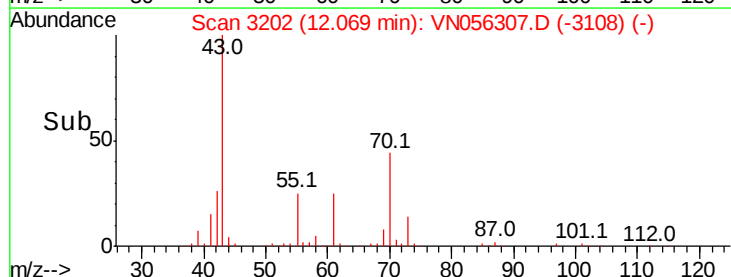
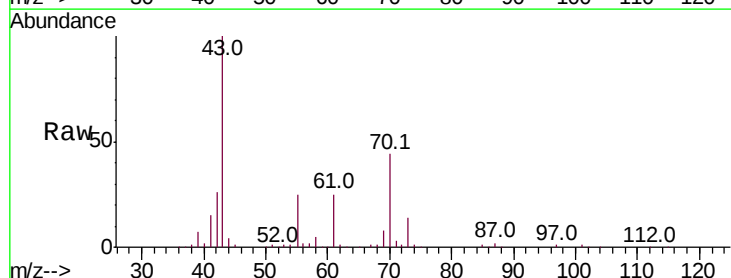
Ion Ratio Lower Upper

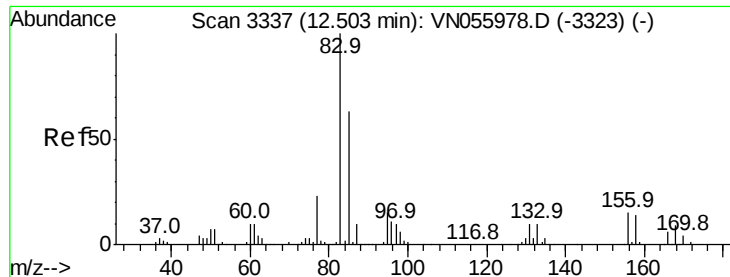
43 100

70 44.2 34.0 51.0

55 25.3 18.6 28.0

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.506 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

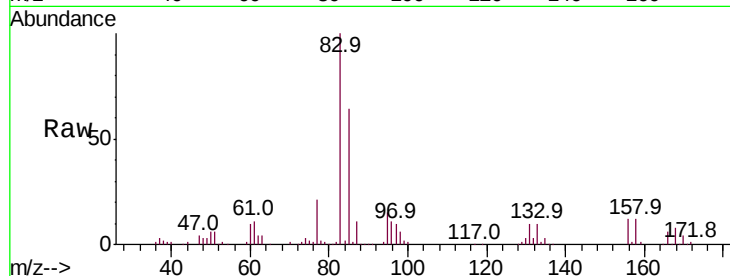
ClientSampleId :

VSTDCCC050

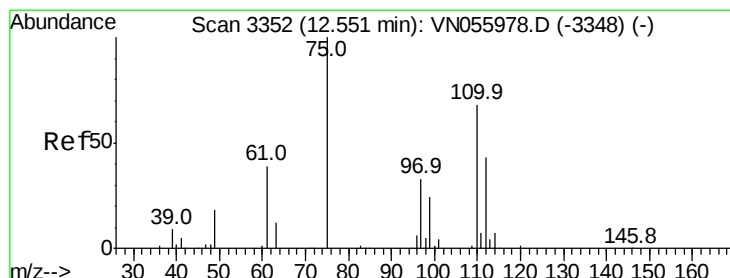
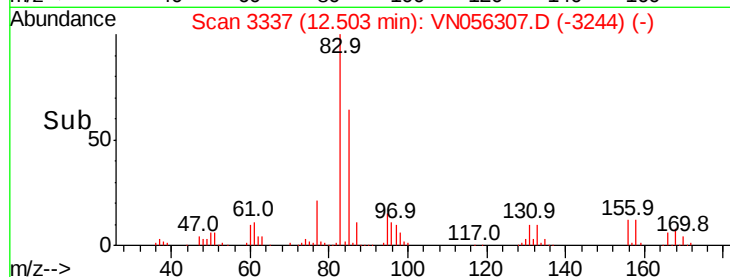
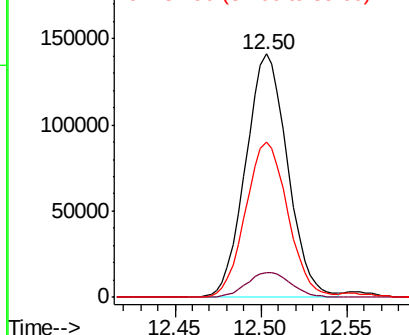
Tot Ion:	83	Resp:	238850
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.3	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 59.057 ug/l m

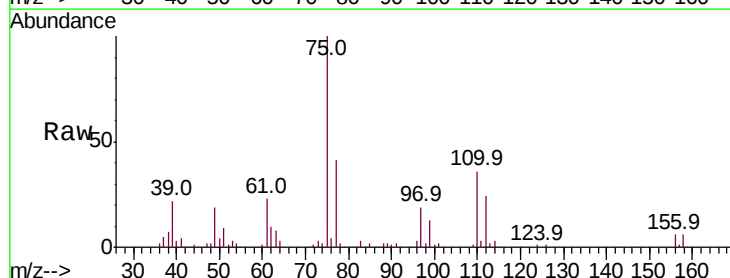
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

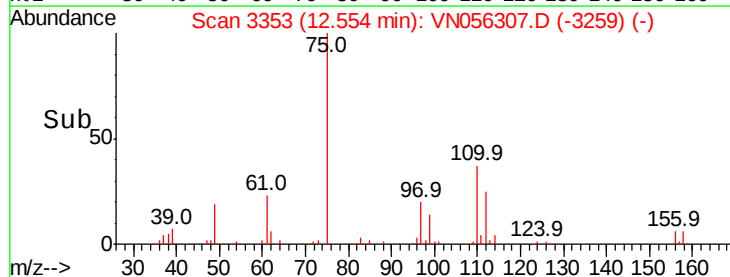
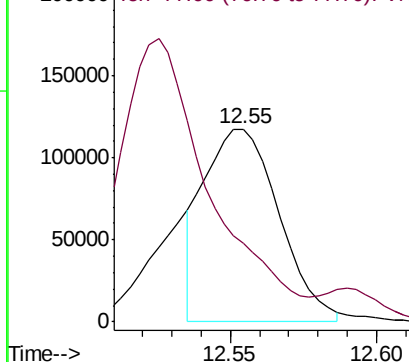
Lab File: VN056307.D

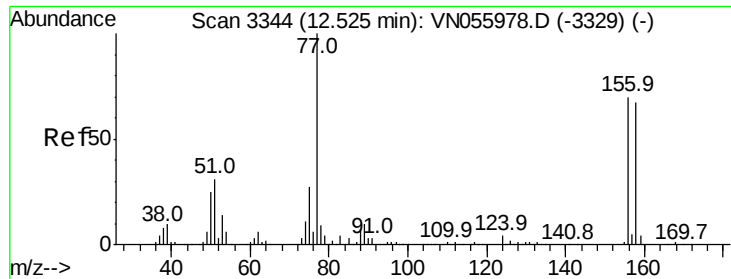
Acq: 14 Jun 2019 13:09

Tgt Ion:	75	Resp:	208959
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.415 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 203439

Ion Ratio Lower Upper

156 100

77 184.3 90.8 272.5

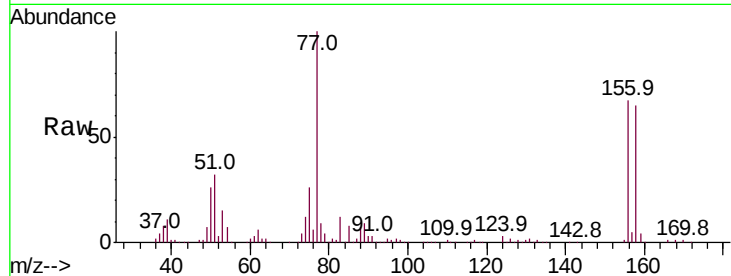
158 97.7 49.3 147.8

Manual Integrations

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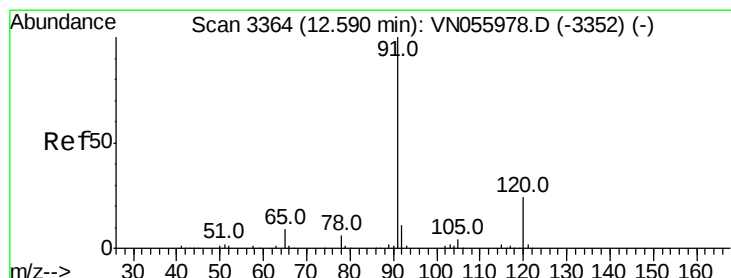
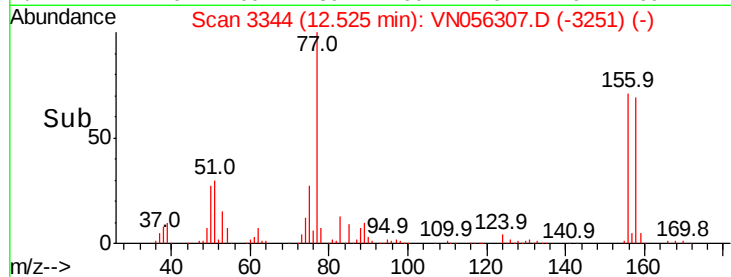
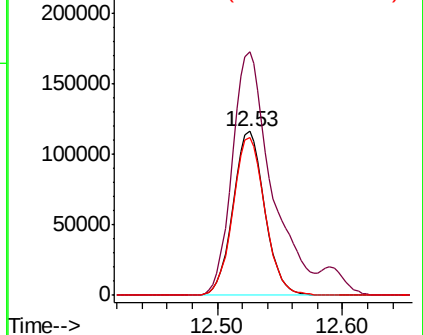
6/17/2019 9:45:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.033 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056307.D

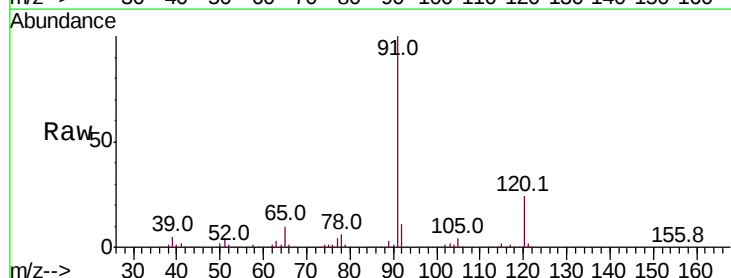
Acq: 14 Jun 2019 13:09

Tgt Ion: 91 Resp: 846466

Ion Ratio Lower Upper

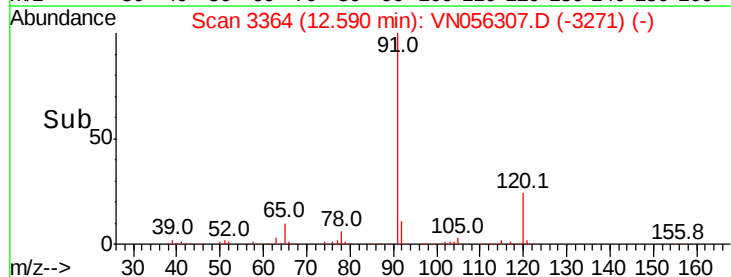
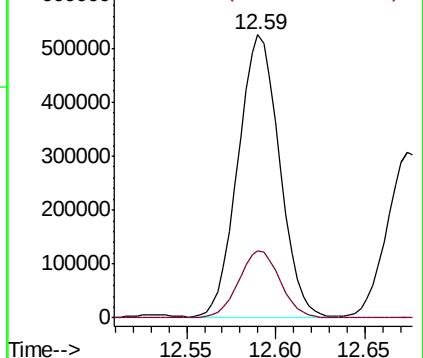
91 100

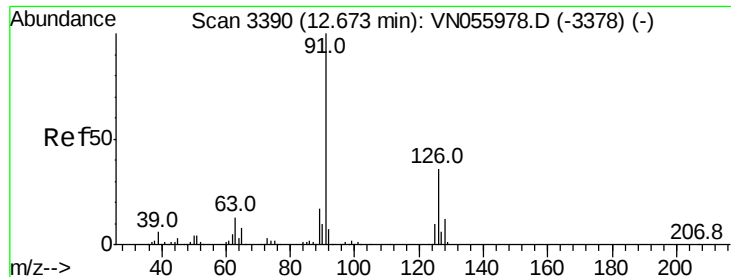
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.706 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 508864

Ion Ratio Lower Upper

91 100

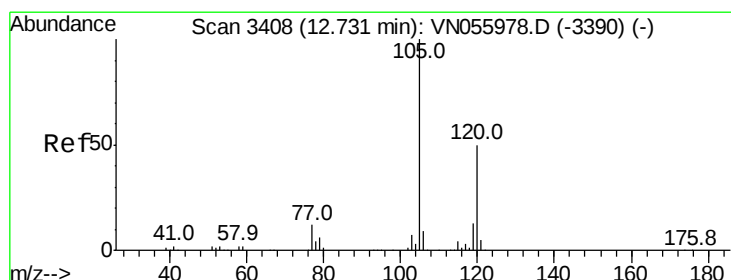
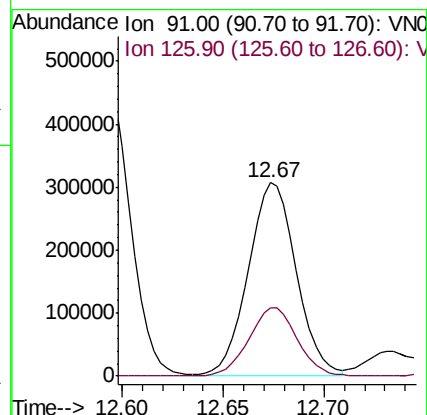
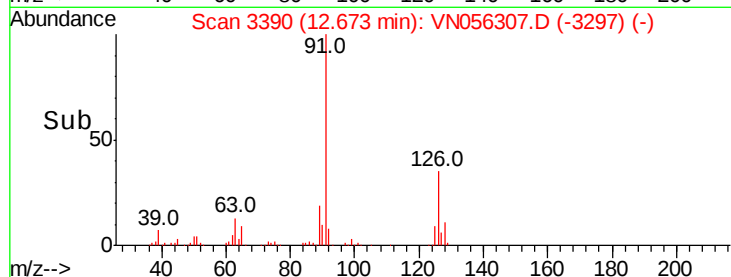
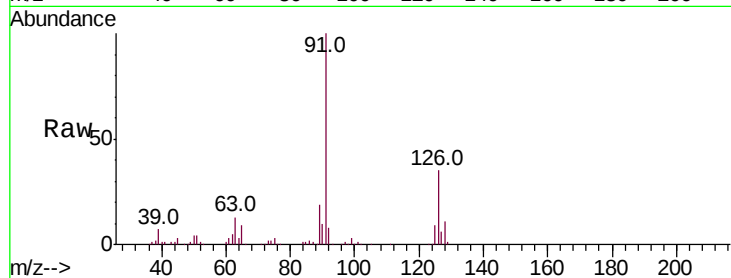
126 36.0 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.622 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056307.D

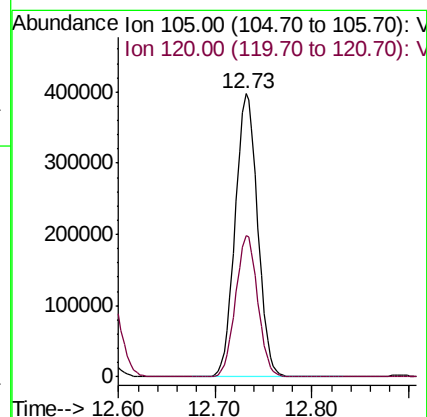
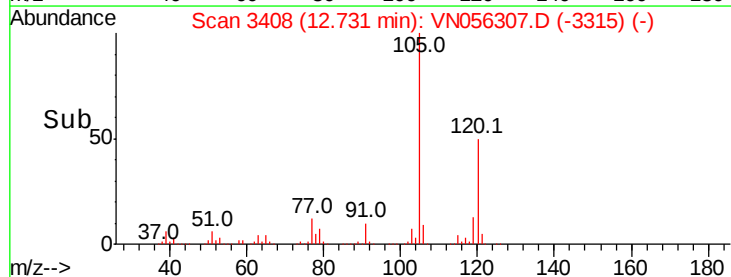
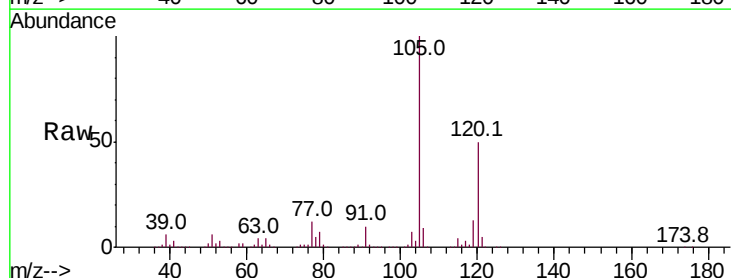
Acq: 14 Jun 2019 13:09

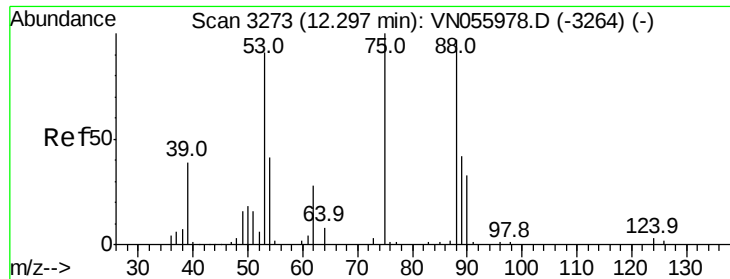
Tgt Ion: 105 Resp: 641563

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





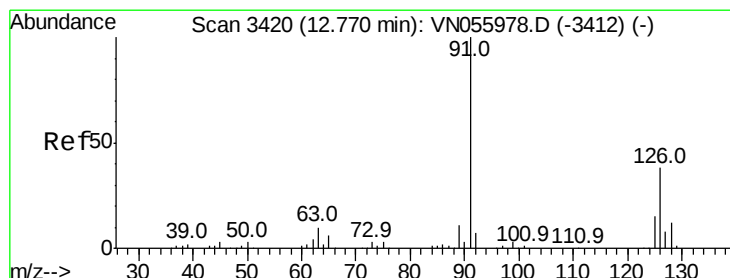
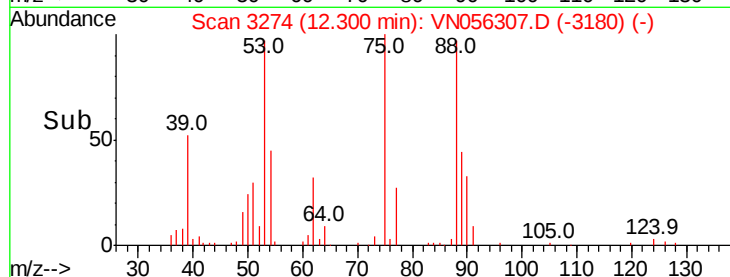
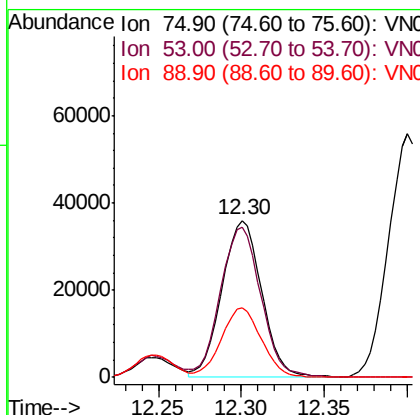
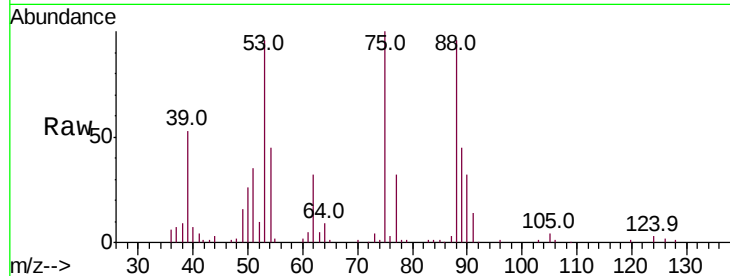
#81
trans-1,4-Dichloro-2-butene
Concen: 56.754 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 60300
Ion Ratio Lower Upper
75 100
53 97.2 68.1 102.1
89 44.9 36.9 55.3

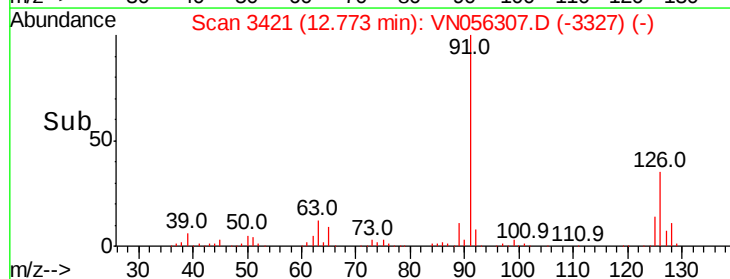
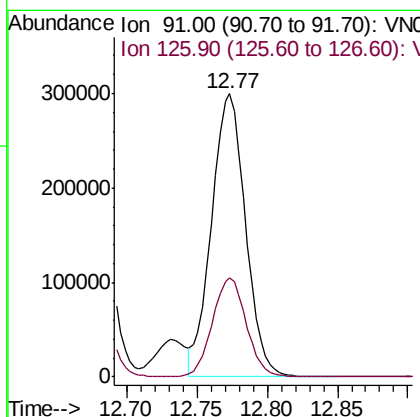
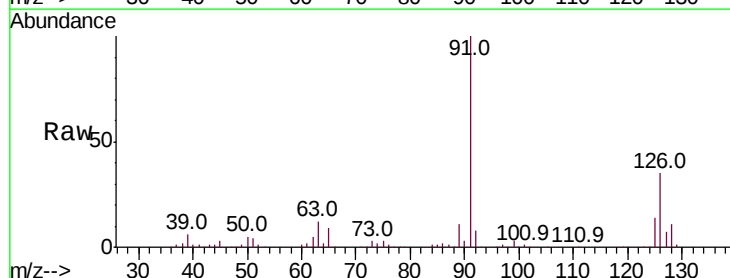
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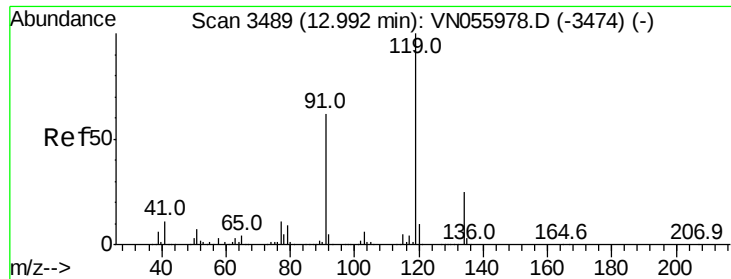
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.492 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion: 91 Resp: 499593
Ion Ratio Lower Upper
91 100
126 34.9 17.8 53.3





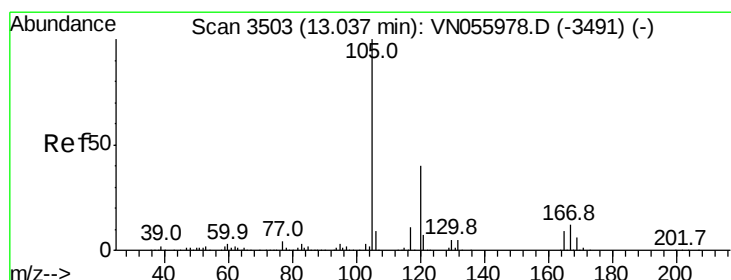
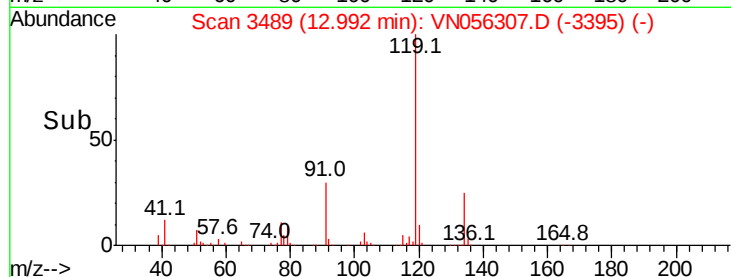
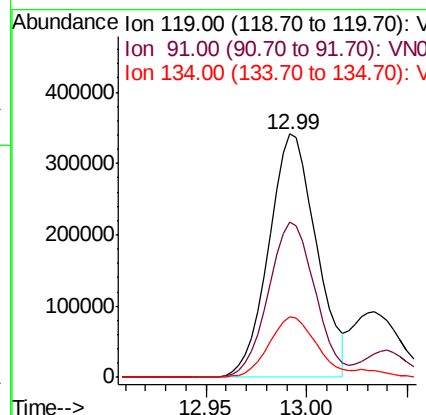
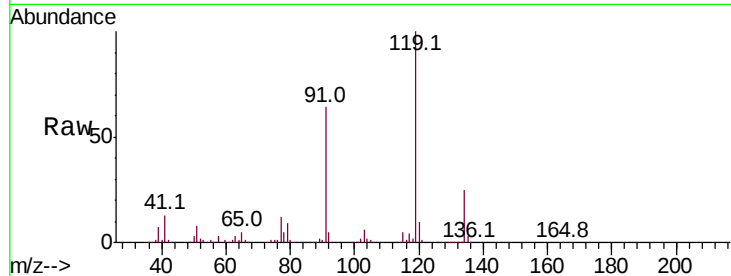
#83
tert-Butylbenzene
Concen: 56.169 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	560085		
91	62.8	30.9	92.8	
134	27.0	13.3	39.8	

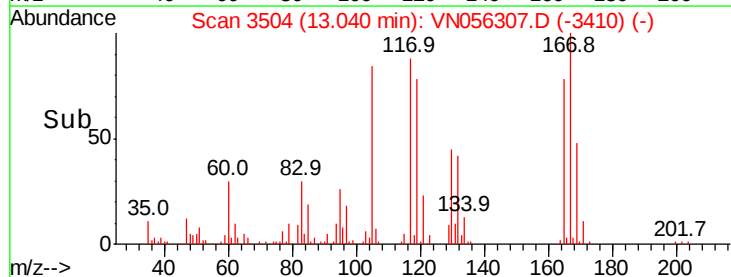
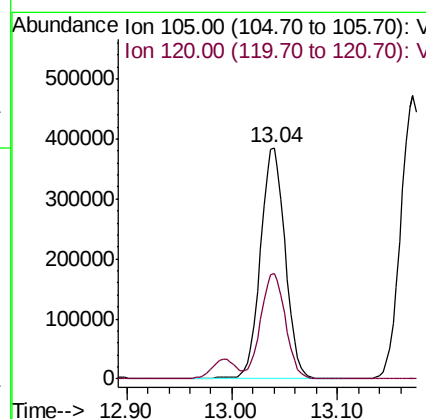
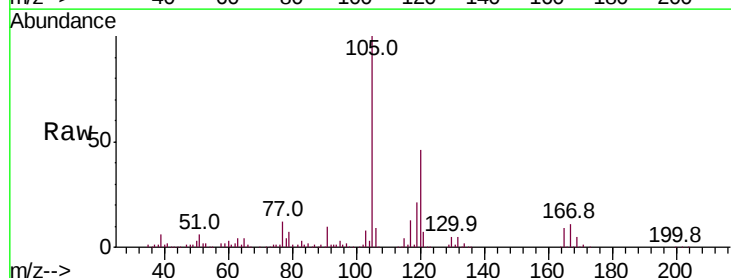
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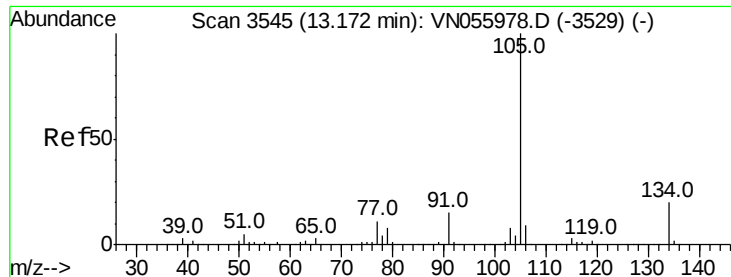
MMDadoda
6/17/2019 9:45:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.473 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	631088		
120	45.8	23.0	69.0	





#85

sec-Butylbenzene

Concen: 51.293 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 738963

Ion Ratio Lower Upper

105 100

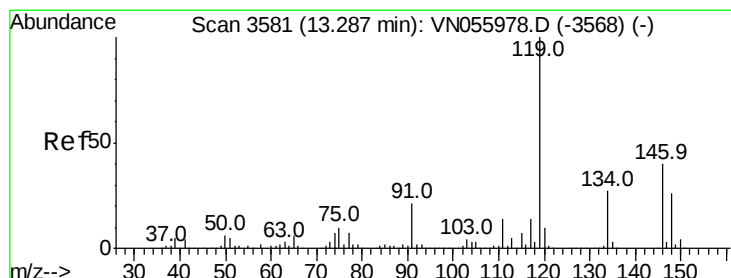
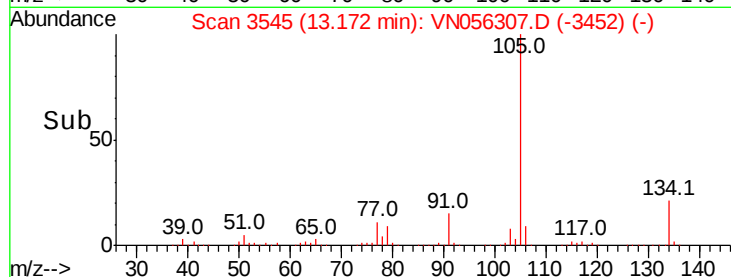
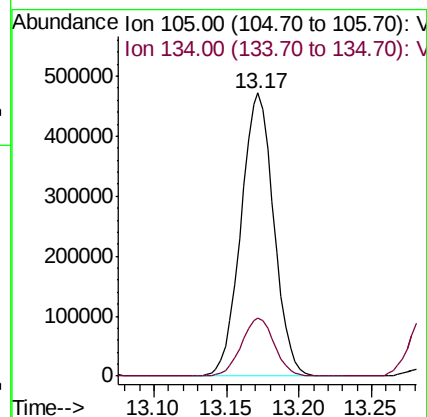
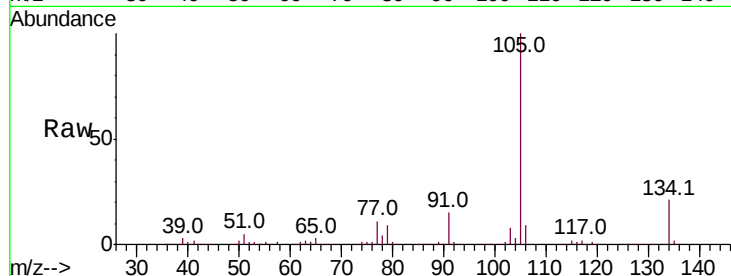
134 20.5 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.075 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

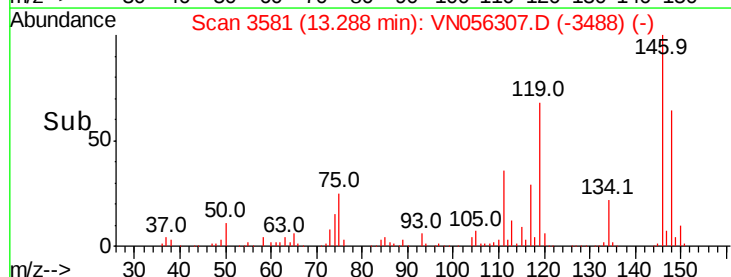
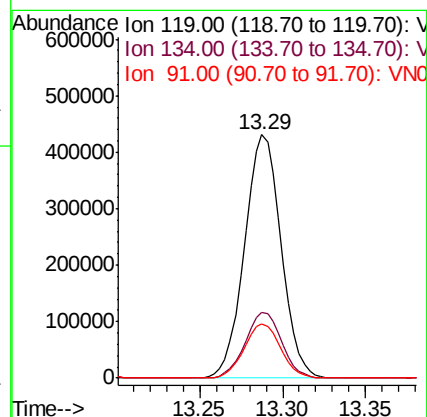
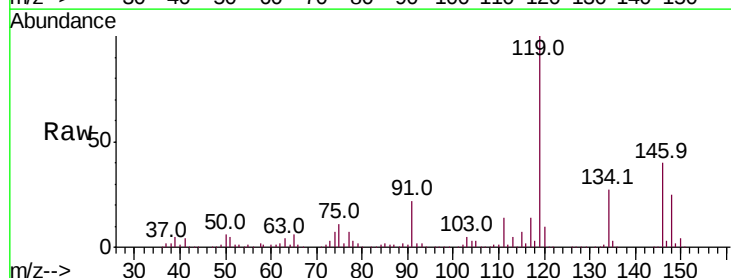
Tgt Ion:119 Resp: 658534

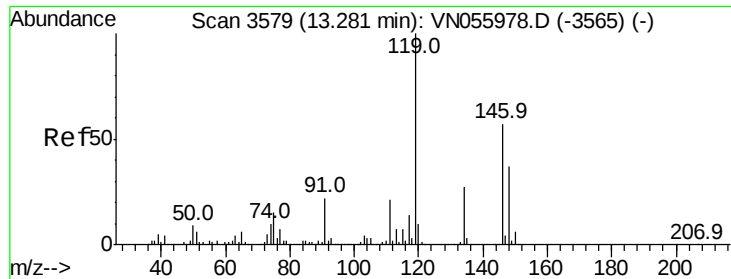
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.3 10.9 32.9





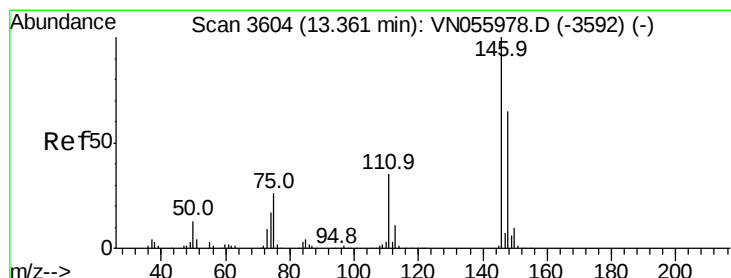
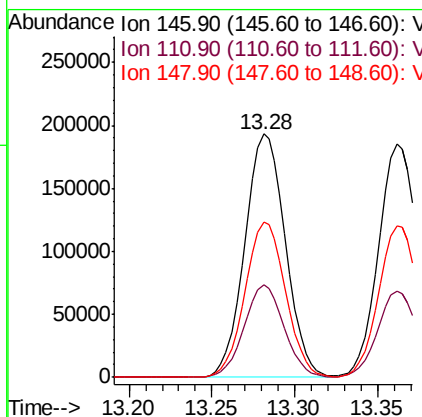
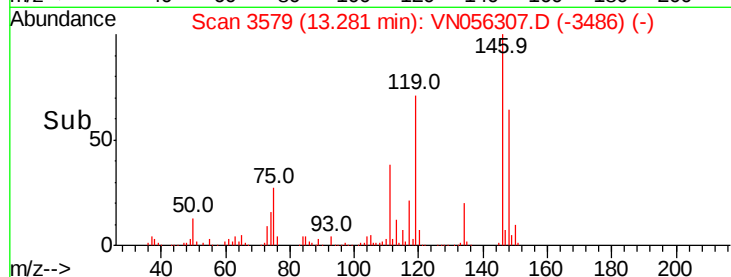
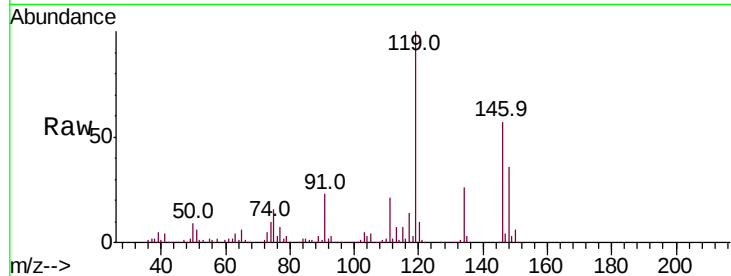
#87
 1,3-Dichlorobenzene
 Concen: 51.785 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	63.6	32.0	96.2

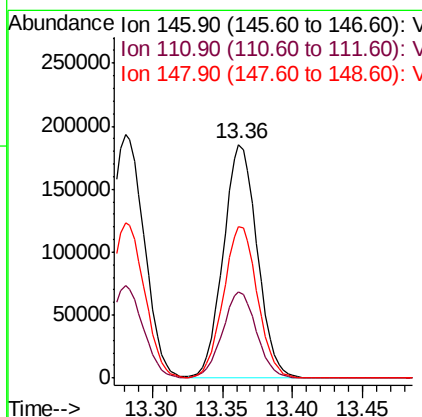
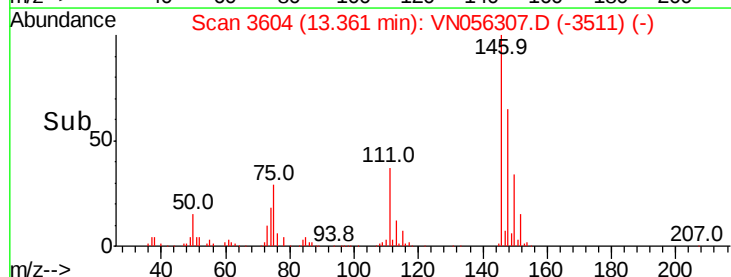
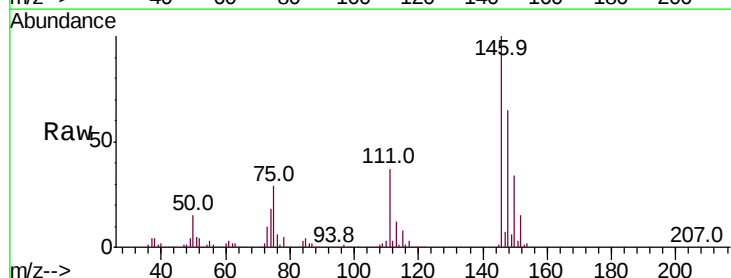
Manual Integrations
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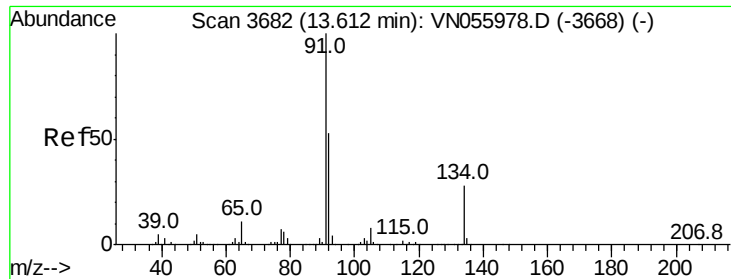
MMDadoda
 6/17/2019 9:45:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.930 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.4
148	65.2	32.1	96.5





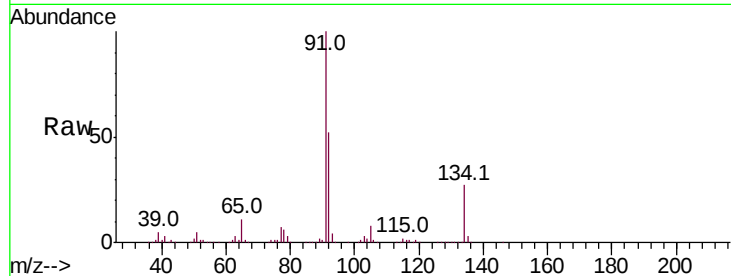
#89
n-Butylbenzene
Concen: 52.976 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.0
134	26.8	13.9	41.7

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

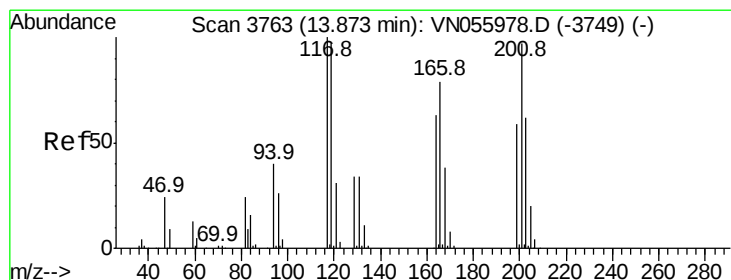
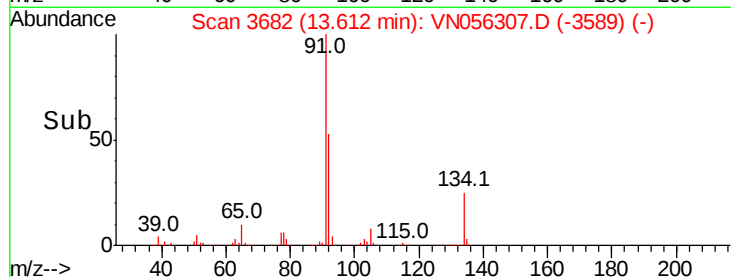
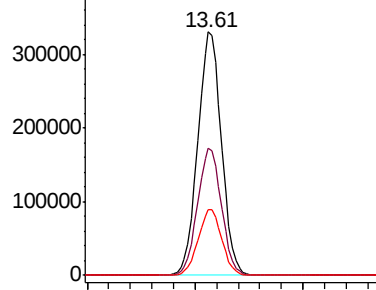


Abundance

Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

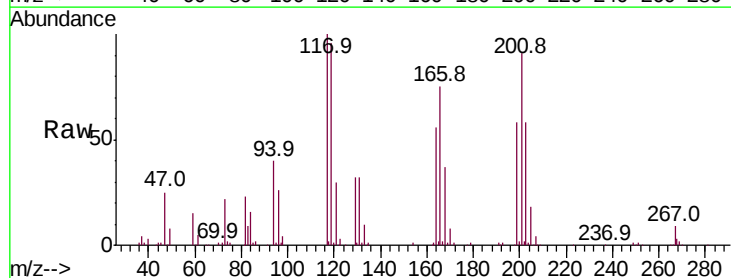
Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90
Hexachloroethane
Concen: 57.745 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056307.D
Acq: 14 Jun 2019 13:09

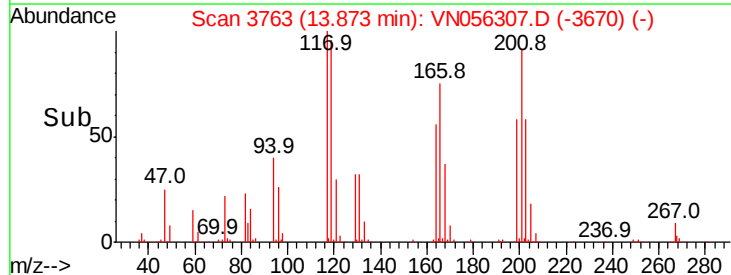
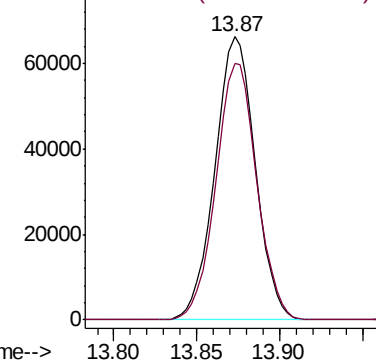
Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	50.0	150.0

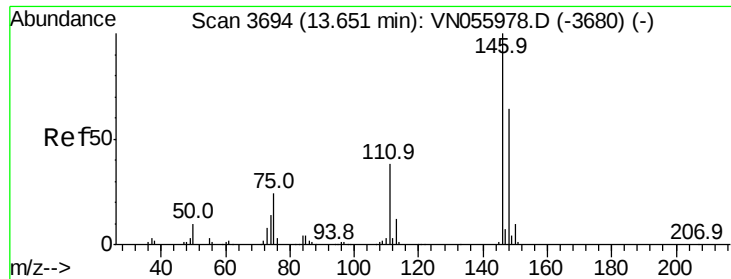


Abundance

Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





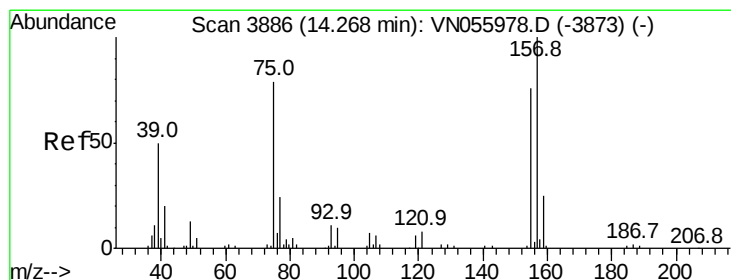
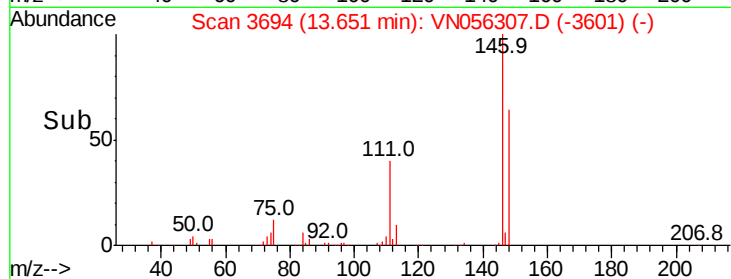
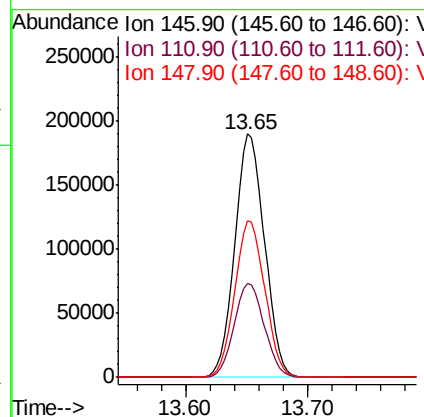
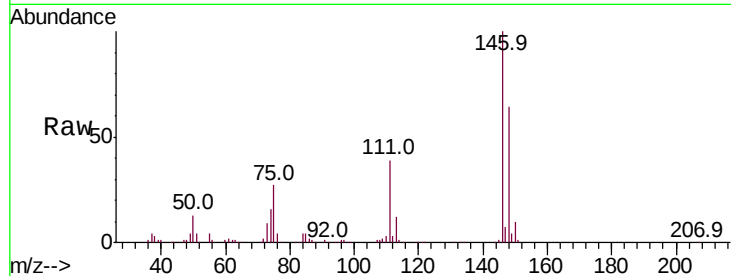
#91
 1,2-Dichlorobenzene
 Concen: 50.007 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.5
148	64.9	31.9	95.9

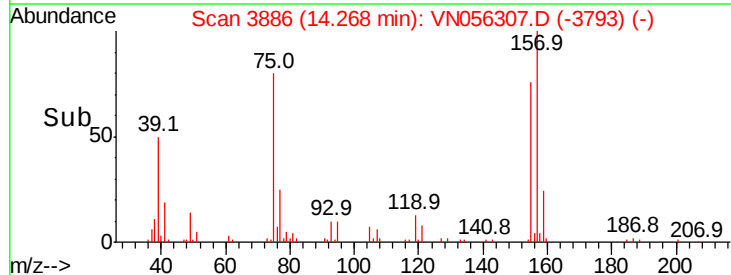
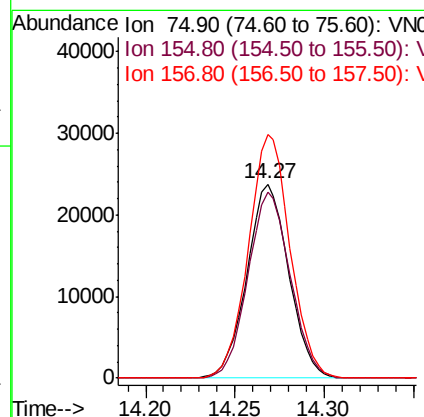
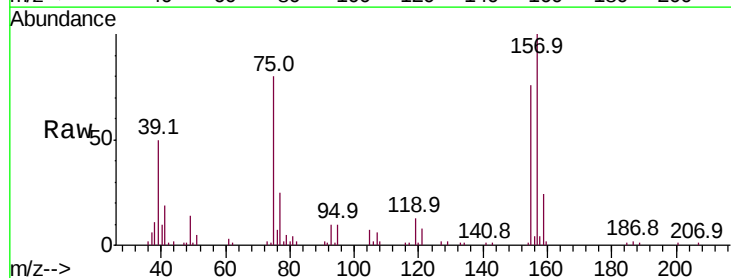
Manual Integrations
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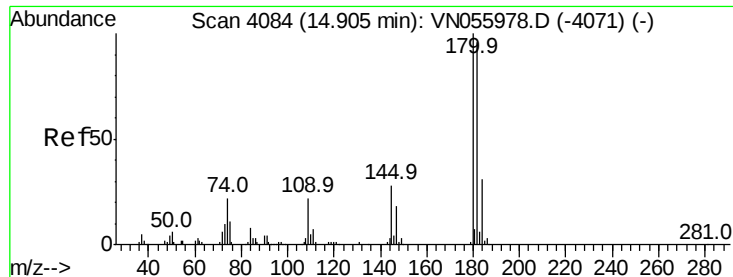
MMDadoda
 6/17/2019 9:45:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.893 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	50.0	150.1
157	124.7	64.8	194.3





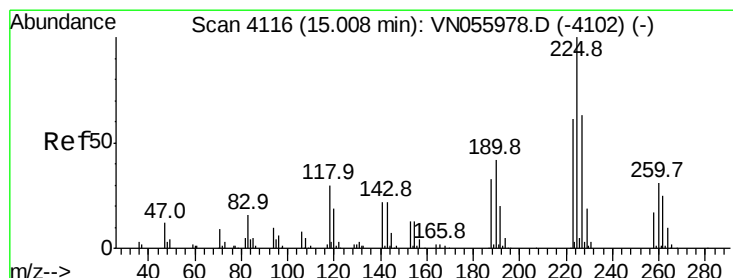
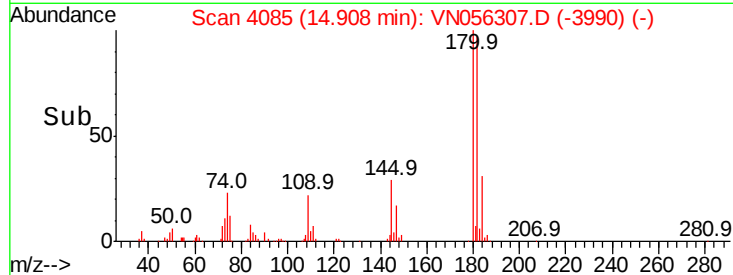
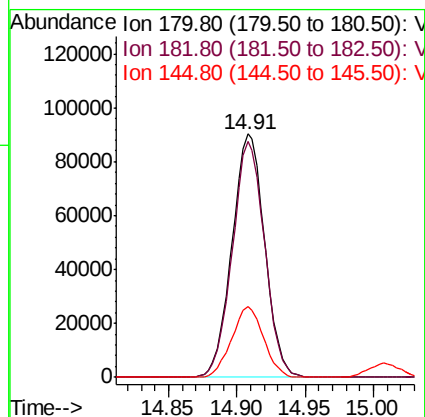
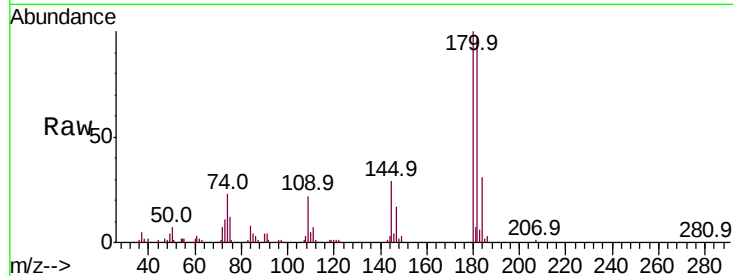
#93
 1,2,4-Trichlorobenzene
 Concen: 42.939 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149884		
182	95.6	48.3	144.9	
145	28.5	14.0	41.9	

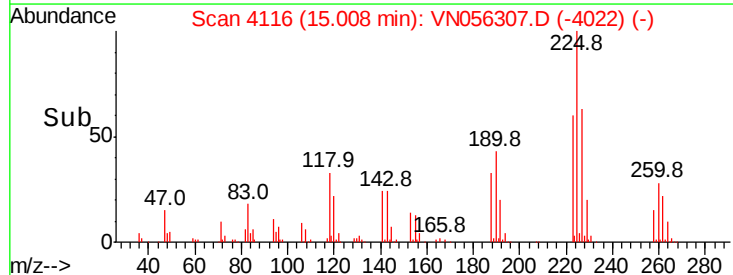
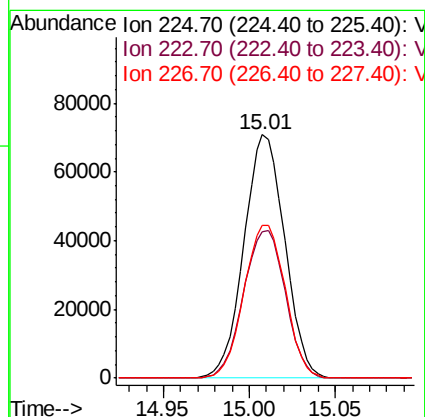
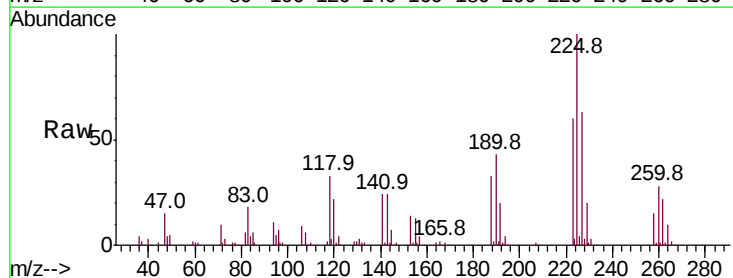
Manual Integrations
 APPROVED

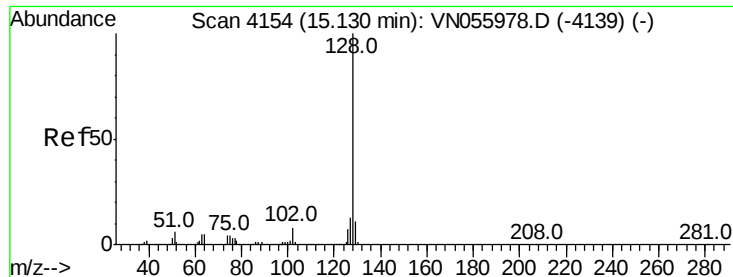
MMDadoda
 6/17/2019 9:45:45 AM



#94
 Hexachlorobutadiene
 Concen: 53.054 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056307.D
 Acq: 14 Jun 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116779		
223	62.5	30.9	92.7	
227	63.5	31.6	94.7	





#95

Naphthalene

Concen: 44.380 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Instrument :

MSVOA_N

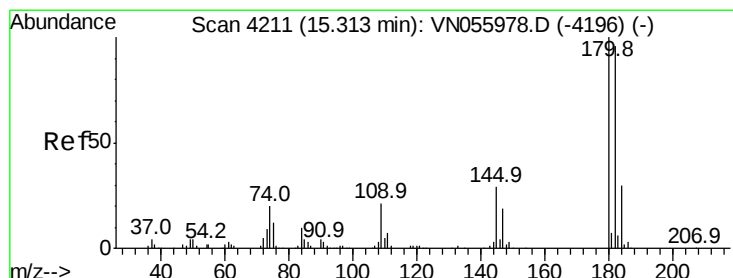
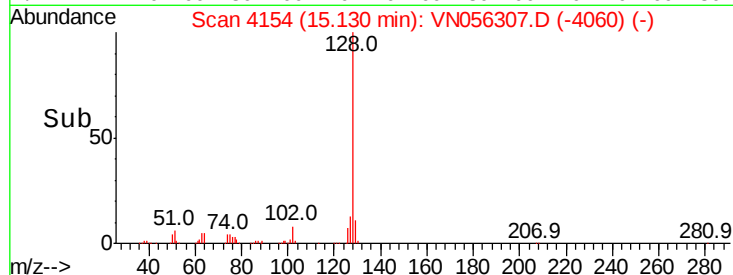
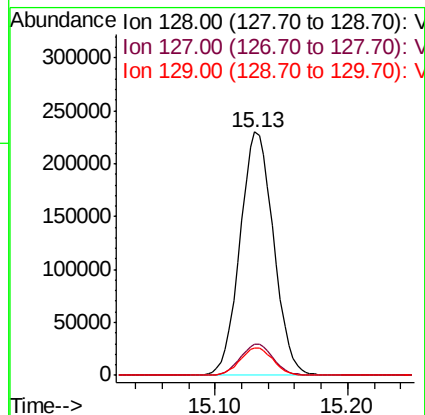
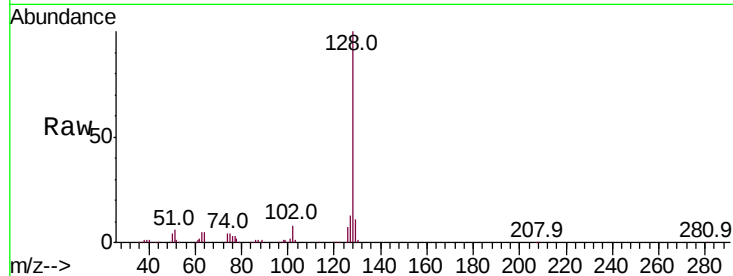
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	403866
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 47.161 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056307.D

Acq: 14 Jun 2019 13:09

Tgt Ion:	180	Resp:	169723
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.9	143.7
145	30.1	14.9	44.7

