

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056698.D
 Acq On : 15 Jul 2019 9:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:15 AM

Quant Time: Jul 16 01:16:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	333291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	507084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	18307	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
35) Dibromofluoromethane	7.59	113	15029	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	
50) Toluene-d8	10.09	98	56991	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
62) 4-Bromofluorobenzene	12.40	95	17434	4.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	16482	5.812	ug/l	98
3) Chloromethane	2.06	50	21001	5.422	ug/l	100
4) Vinyl Chloride	2.19	62	20164	5.394	ug/l	97
5) Bromomethane	2.55	94	12867	5.918	ug/l	97
6) Chloroethane	2.69	64	12249	5.681	ug/l	92
7) Trichlorofluoromethane	3.01	101	26962	5.581	ug/l	96
8) Diethyl Ether	3.41	74	9862	4.846	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	15767	5.144	ug/l	99
10) Methyl Iodide	3.95	142	17957	4.359	ug/l	99
11) Tert butyl alcohol	4.80	59	13964	22.553	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	15482	5.239	ug/l	99
13) Acrolein	3.61	56	7611	16.593	ug/l	92
14) Allyl chloride	4.32	41	25888	5.221	ug/l	99
15) Acrylonitrile	5.00	53	41988	24.284	ug/l	98
16) Acetone	3.82	43	40908	22.447	ug/l	98
17) Carbon Disulfide	4.05	76	38988	5.654	ug/l	98
18) Methyl Acetate	4.33	43	25488	5.458	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	47748	4.895	ug/l	98
20) Methylene Chloride	4.55	84	18342	4.818	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	16551	5.187	ug/l	95
22) Diisopropyl ether	5.96	45	52117	5.030	ug/l	91
23) Vinyl Acetate	5.90	43	193321	23.642	ug/l	99
24) 1,1-Dichloroethane	5.85	63	30661	5.162	ug/l	99
25) 2-Butanone	6.84	43	60663	24.811	ug/l	98
26) 2,2-Dichloropropane	6.82	77	21777	5.226	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	19152	5.146	ug/l	98
28) Bromochloromethane	7.20	49	14934	5.124	ug/l #	98
29) Tetrahydrofuran	7.22	42	39632	26.138	ug/l	96
30) Chloroform	7.37	83	31264	5.344	ug/l	99
31) Cyclohexane	7.66	56	31781	5.512	ug/l #	72
32) 1,1,1-Trichloroethane	7.57	97	23272	5.003	ug/l	97
36) 1,1-Dichloropropene	7.80	75	23155	5.156	ug/l	99
37) Ethyl Acetate	6.93	43	20052	4.539	ug/l #	90
38) Carbon Tetrachloride	7.77	117	21448	5.392	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28122	5.058	ug/l	96
40) Benzene	8.04	78	72140	5.219	ug/l	98
41) Methacrylonitrile	7.18	41	9446m	4.889	ug/l	
42) 1,2-Dichloroethane	8.12	62	23155	5.099	ug/l	99
43) Isopropyl Acetate	8.17	43	34873	5.098	ug/l #	91
44) Trichloroethene	8.84	130	19504	5.259	ug/l	97
45) 1,2-Dichloropropane	9.12	63	18753	5.076	ug/l	96
46) Dibromomethane	9.21	93	11303	4.896	ug/l	96
47) Bromodichloromethane	9.40	83	21389	5.178	ug/l	97
48) Methyl methacrylate	9.20	41	16141	4.701	ug/l	96
49) 1,4-Dioxane	9.20	88	6998	98.973	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	111737	25.298	ug/l	100
52) Toluene	10.15	92	42005	4.975	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	20504	4.905	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	25142	5.067	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	17706	5.225	ug/l	98
56) Ethyl methacrylate	10.43	69	23137	4.638	ug/l	99
57) 1,3-Dichloropropane	10.71	76	28730	5.051	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	57752	30.226	ug/l	99
59) 2-Hexanone	10.75	43	78168	23.999	ug/l	99
60) Dibromochloromethane	10.90	129	16001	5.129	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16965	4.902	ug/l	98
64) Tetrachloroethene	10.63	164	20052	5.804	ug/l	99
65) Chlorobenzene	11.43	112	42759	4.917	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	15581	5.247	ug/l	96
67) Ethyl Benzene	11.51	91	75936	4.962	ug/l	99
68) m/p-Xylenes	11.62	106	55920	9.964	ug/l	97
69) o-Xylene	11.95	106	27997	5.043	ug/l	98
70) Styrene	11.96	104	42316	4.765	ug/l	99
71) Bromoform	12.12	173	11227	5.332	ug/l #	97
73) Isopropylbenzene	12.25	105	71160	4.993	ug/l	99
74) N-amyl acetate	12.07	43	24074	4.646	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	23771	5.325	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	21247m	6.208	ug/l	
77) Bromobenzene	12.53	156	17826	4.928	ug/l	97
78) n-propylbenzene	12.59	91	76799	5.156	ug/l	97
79) 2-Chlorotoluene	12.67	91	47844	5.108	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	58946	5.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4957	4.961	ug/l #	83
82) 4-Chlorotoluene	12.77	91	43069	4.901	ug/l	99
83) tert-Butylbenzene	12.99	119	52899	4.992	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	57120	5.210	ug/l	99
85) sec-Butylbenzene	13.17	105	67207	5.154	ug/l	100
86) p-Isopropyltoluene	13.28	119	59439	5.291	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	28742	5.208	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	26254	4.892	ug/l	95
89) n-Butylbenzene	13.61	91	43937	5.086	ug/l	98
90) Hexachloroethane	13.87	117	8662	4.907	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	28683	5.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3279	5.334	ug/l	95

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MSVOA_N
ClientSampleId :
VSTDICC005

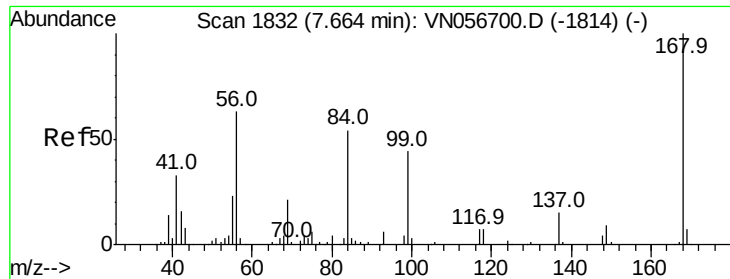
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:03:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	9407	3.974	ug/l	97
94) Hexachlorobutadiene	15.01	225	11234	5.401	ug/l	99
95) Naphthalene	15.13	128	23622	3.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11067	4.389	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 333291

Ion Ratio Lower Upper

168 100

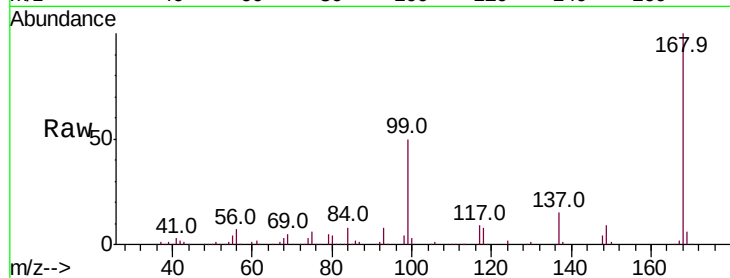
99 49.4 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

100000

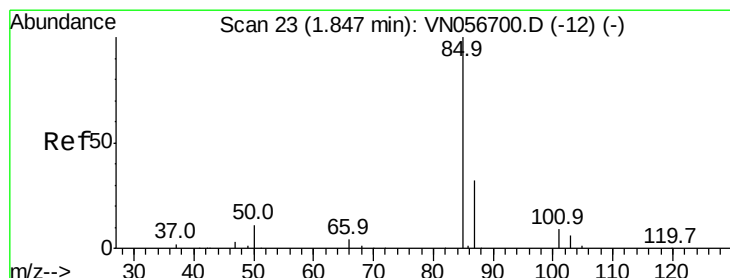
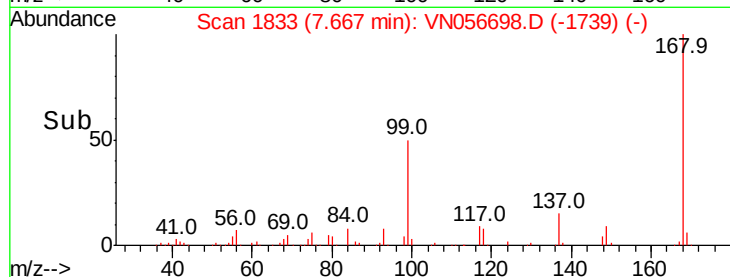
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.812 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056698.D

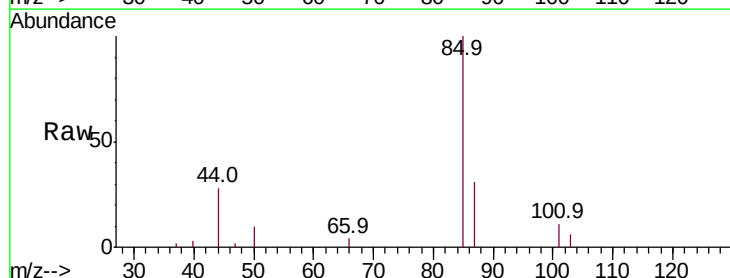
Acq: 15 Jul 2019 9:10

Tgt Ion: 85 Resp: 16482

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

12000

10000

8000

6000

4000

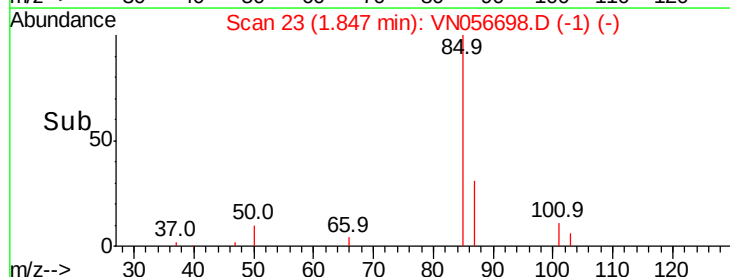
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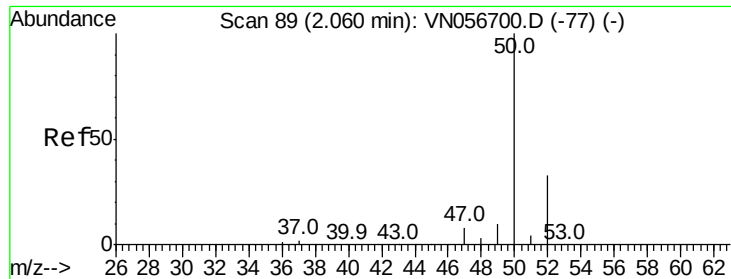
0

1.85

1.80 1.90 1.95

Time-->





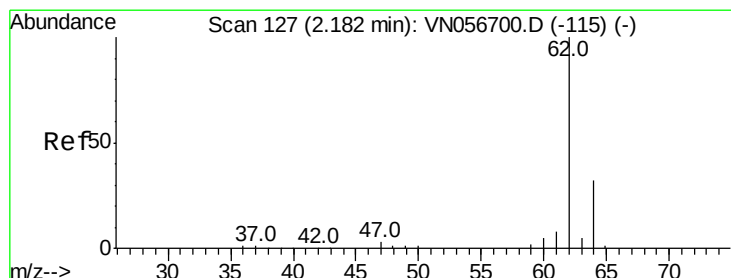
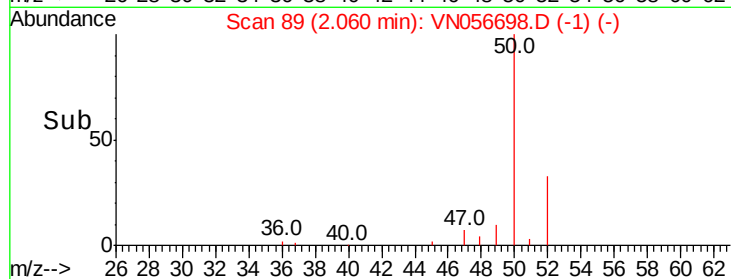
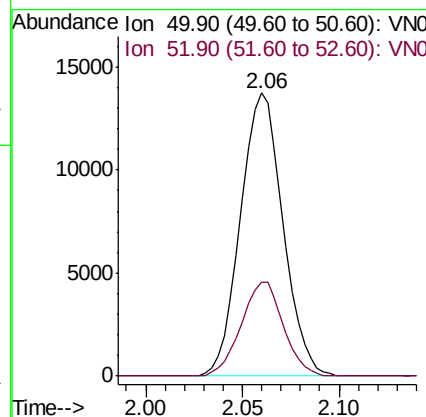
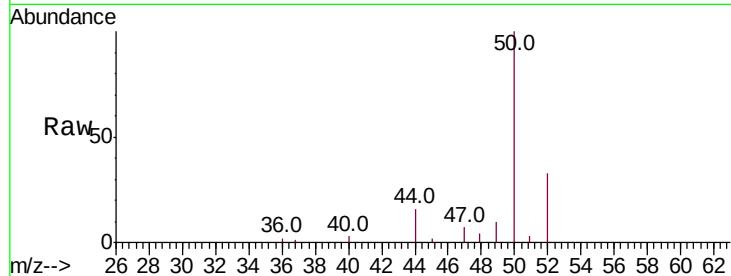
#3
Chloromethane
Concen: 5.422 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7

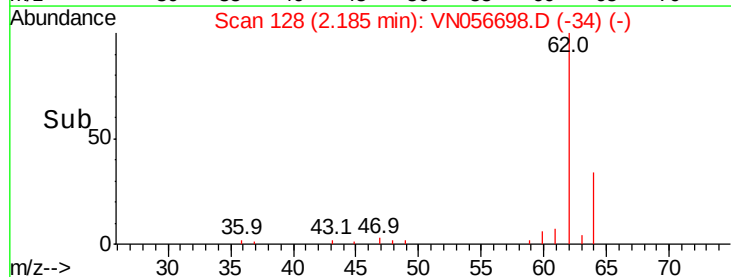
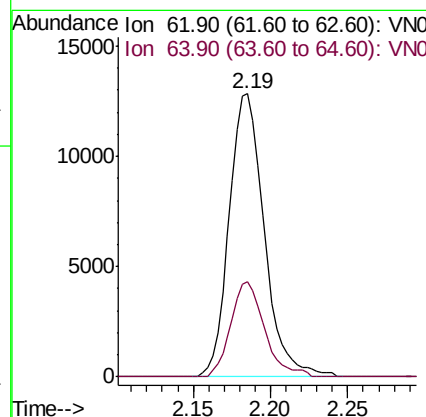
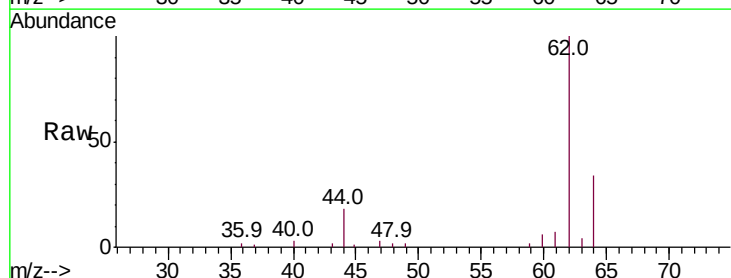
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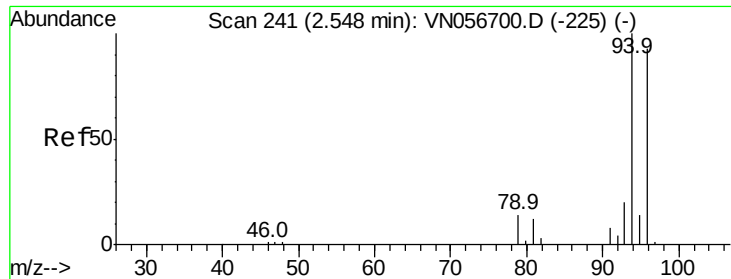
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#4
Vinyl Chloride
Concen: 5.394 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.6	25.6	38.4





#5

Bromomethane

Concen: 5.918 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12867

Ion Ratio Lower Upper

94 100

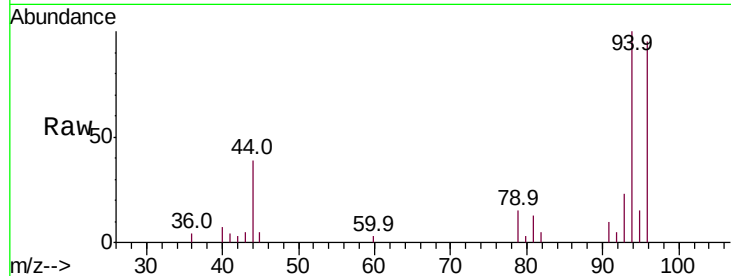
96 95.1 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

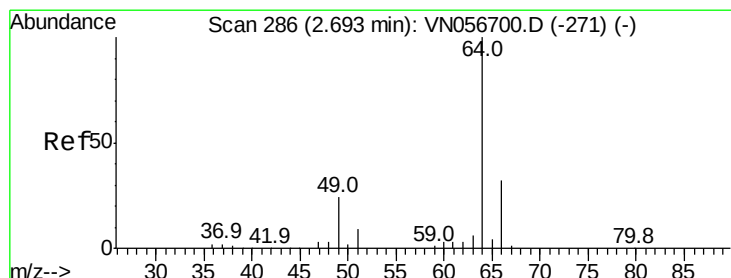
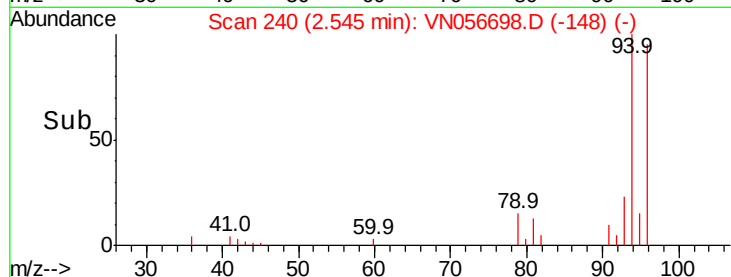
6000

4000

2000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 5.681 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056698.D

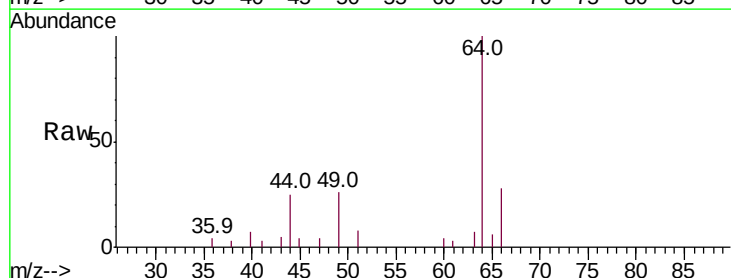
Acq: 15 Jul 2019 9:10

Tgt Ion: 64 Resp: 12249

Ion Ratio Lower Upper

64 100

66 27.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

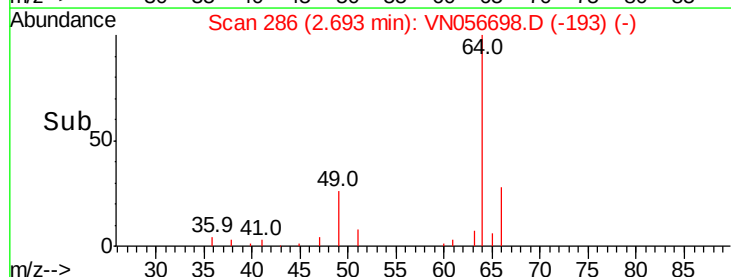
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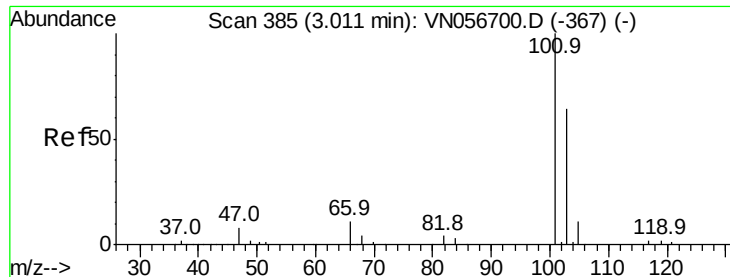
4000

2000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#7

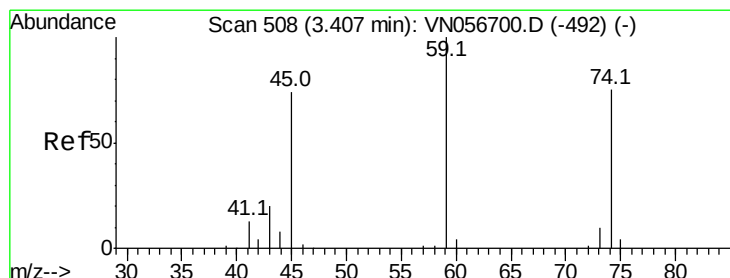
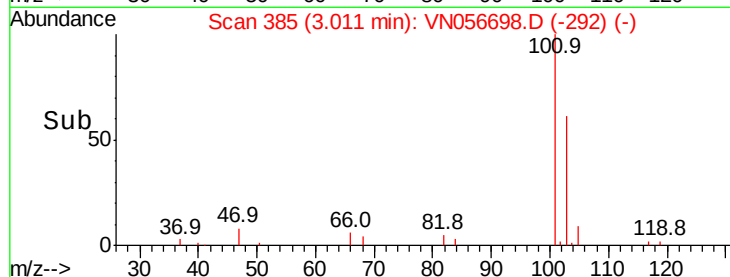
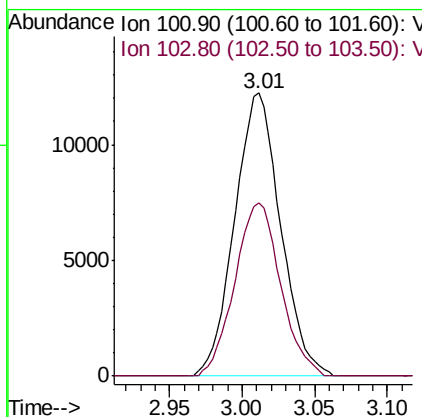
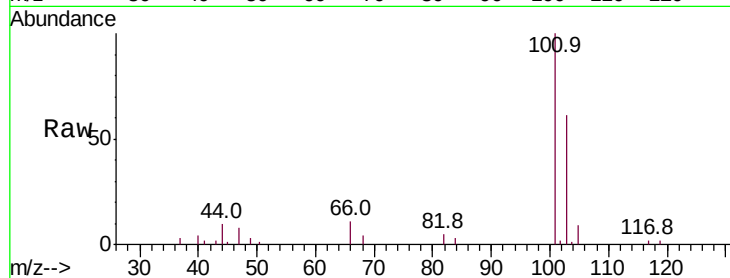
Trichlorofluoromethane
Concen: 5.581 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	51.5	77.3

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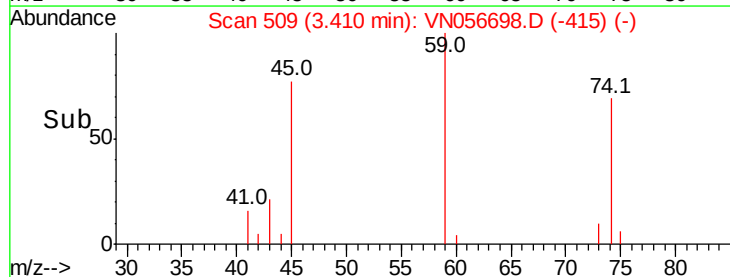
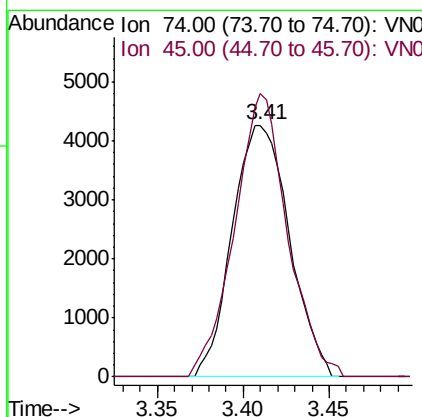
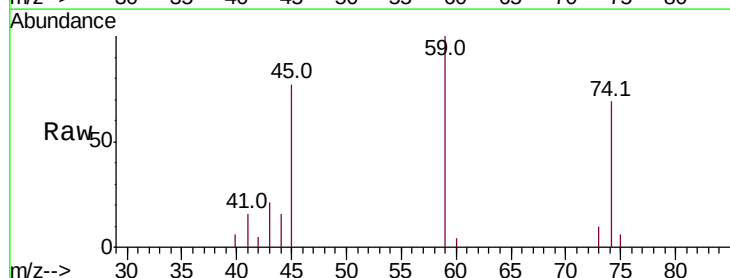
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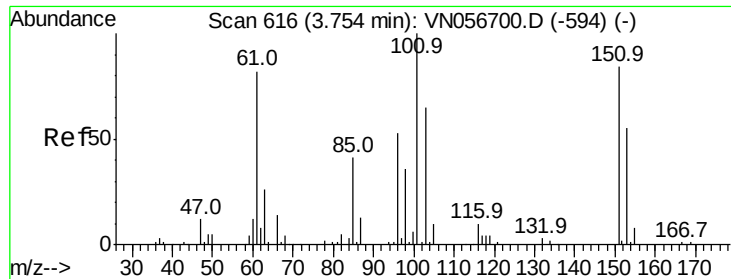


#8

Diethyl Ether
Concen: 4.846 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.144 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

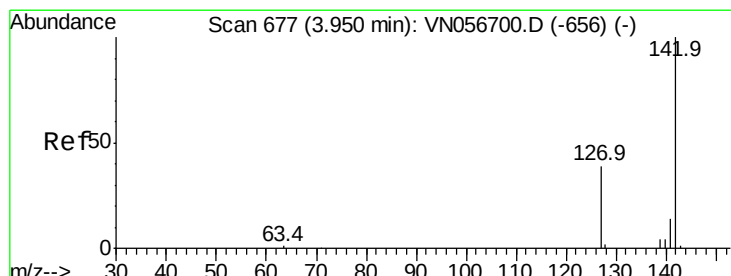
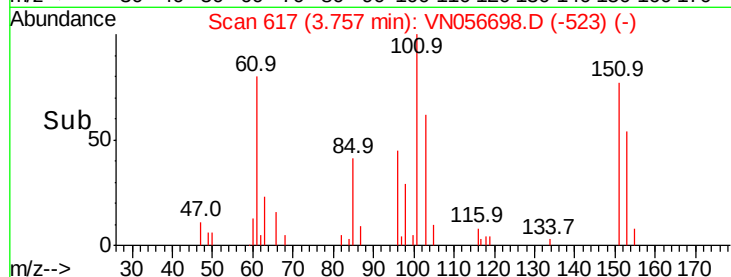
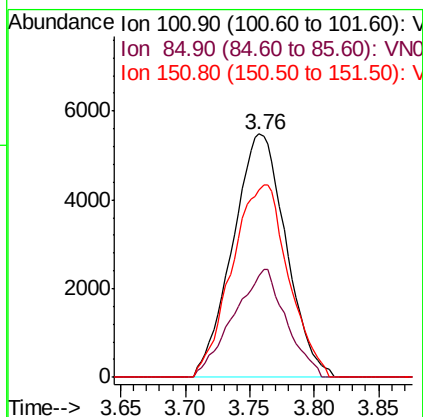
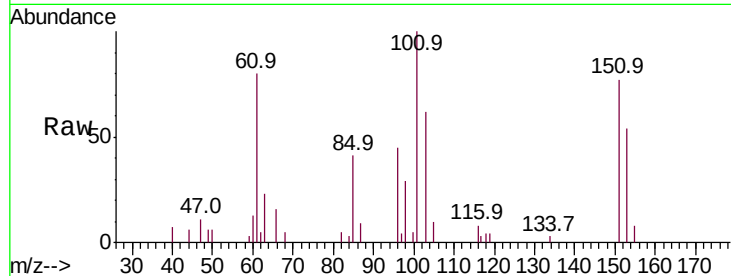
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15767
Ion Ratio	Lower	Upper	
101	100		
85	43.6	33.3	49.9
151	84.1	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 4.359 ug/l

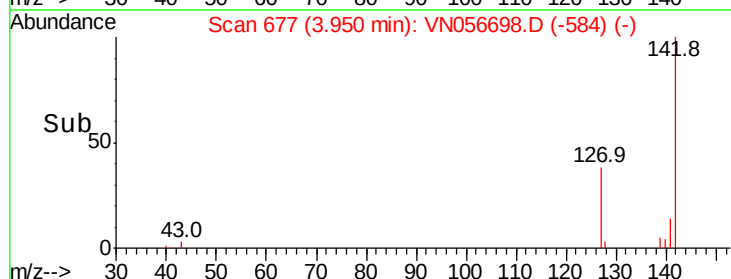
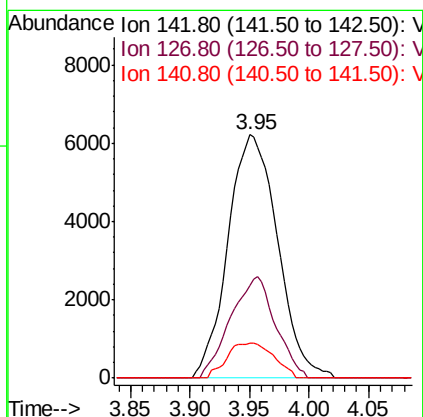
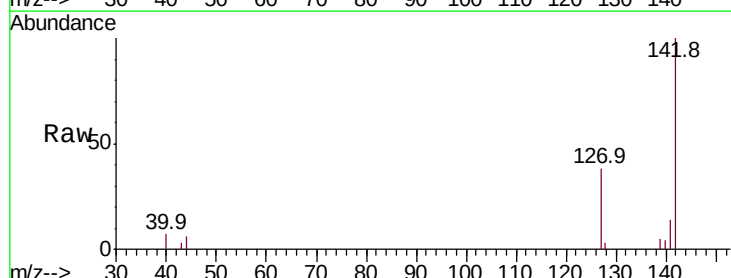
RT: 3.95 min Scan# 677

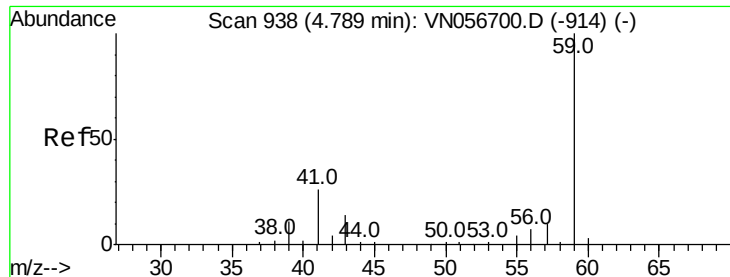
Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	142	Resp:	17957
Ion Ratio	Lower	Upper	
142	100		
127	37.5	30.7	46.1
141	13.6	11.3	16.9





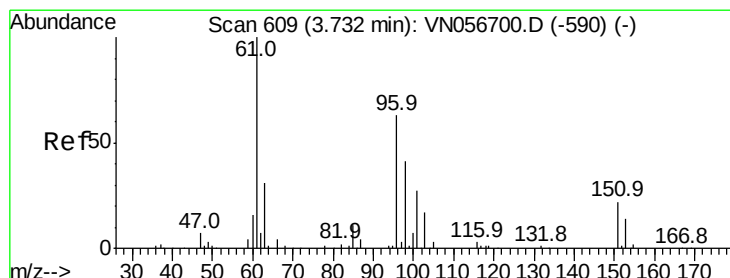
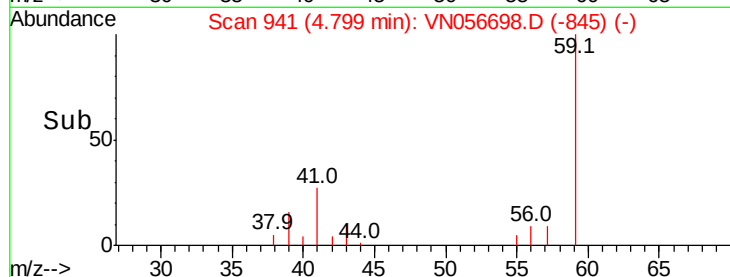
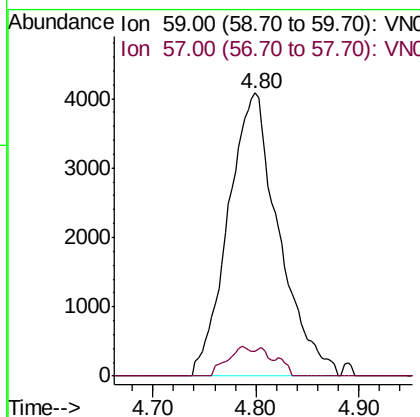
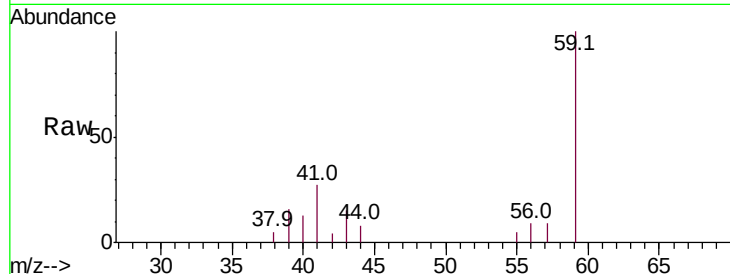
#11
Tert butyl alcohol
Concen: 22.553 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 13964
Ion Ratio Lower Upper
59 100
57 4.9 8.0 12.0#

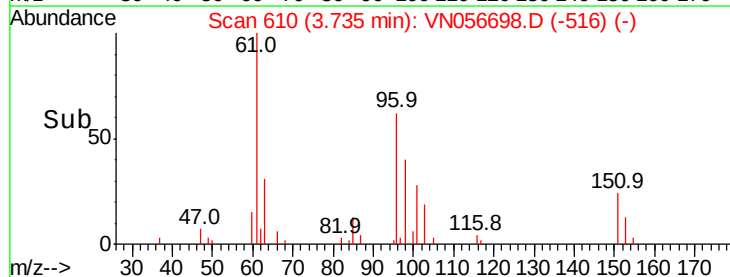
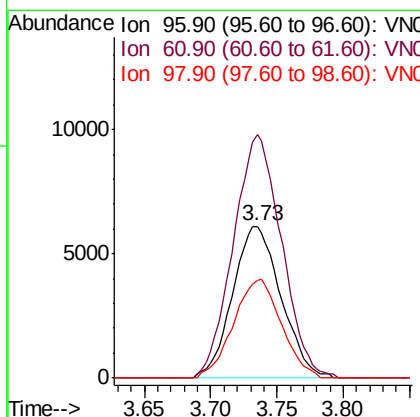
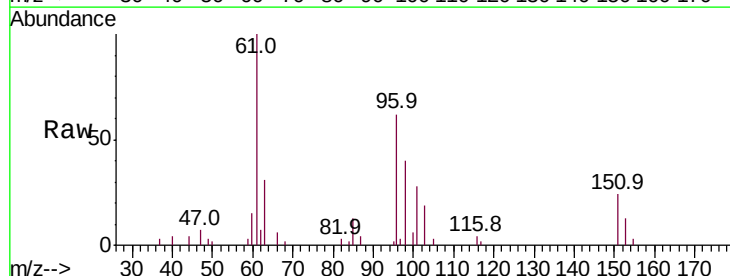
Manual Integrations
APPROVED

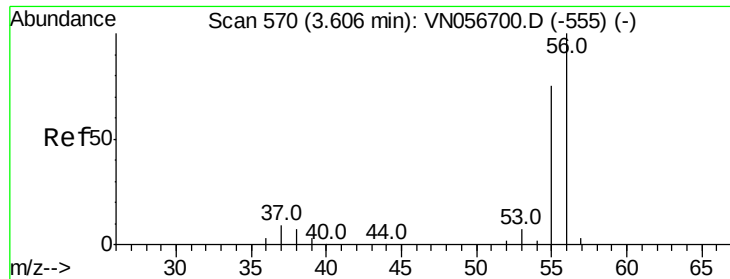
MMDadoda
7/17/2019 1:31:15 AM



#12
1,1-Dichloroethene
Concen: 5.239 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 96 Resp: 15482
Ion Ratio Lower Upper
96 100
61 160.2 126.6 189.8
98 64.1 51.4 77.2





#13

Acrolein

Concen: 16.593 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7611

Ion Ratio Lower Upper

56 100

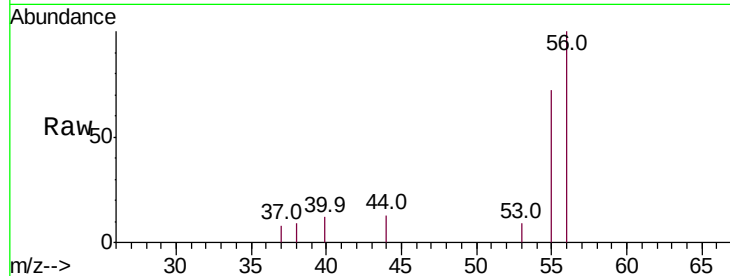
55 66.0 58.0 87.0

Manual Integrations

APPROVED

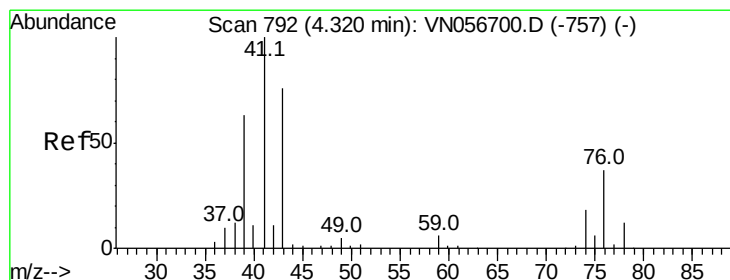
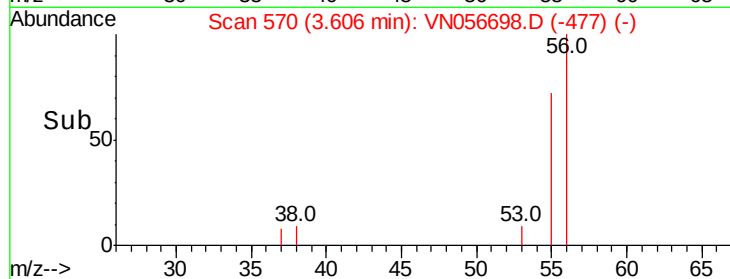
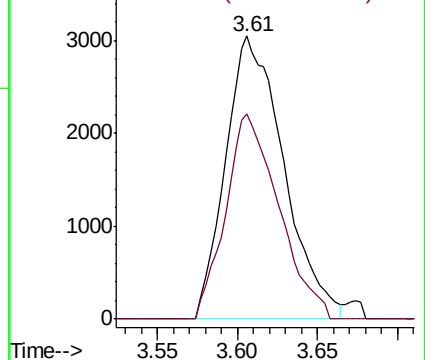
MMDadoda

7/17/2019 1:31:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.221 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

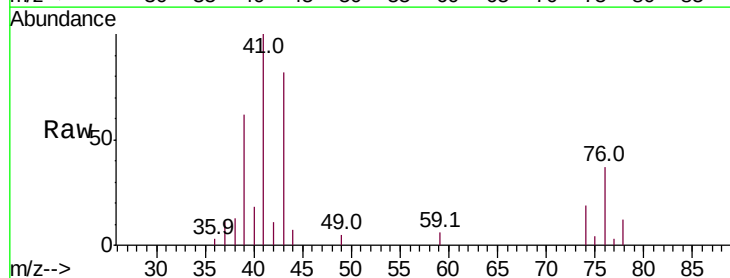
Tgt Ion: 41 Resp: 25888

Ion Ratio Lower Upper

41 100

39 58.3 46.9 70.3

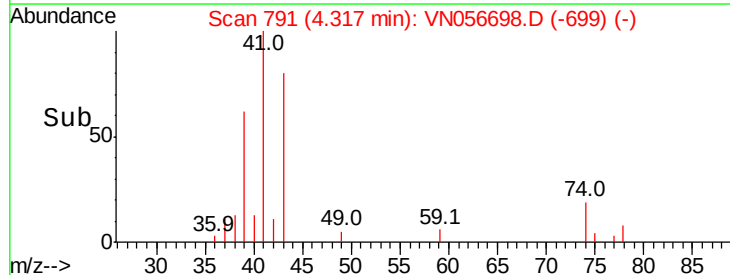
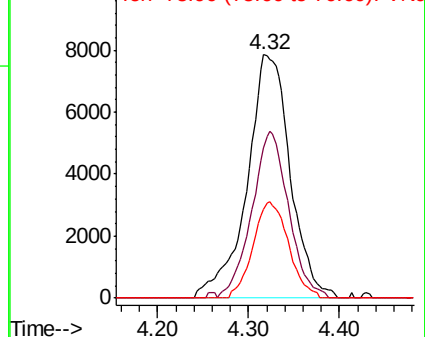
76 32.6 26.5 39.7

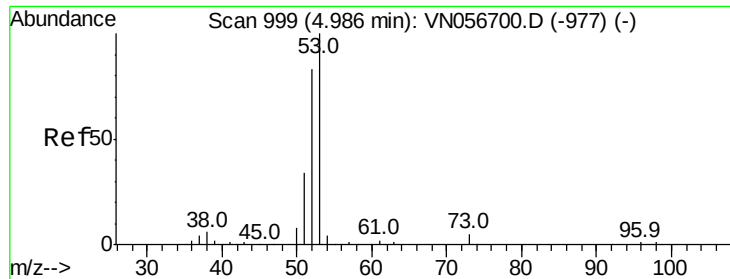


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 24.284 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

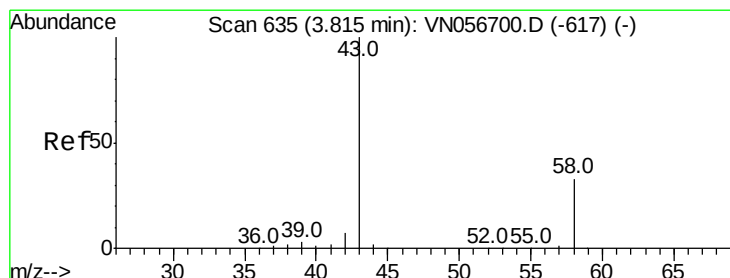
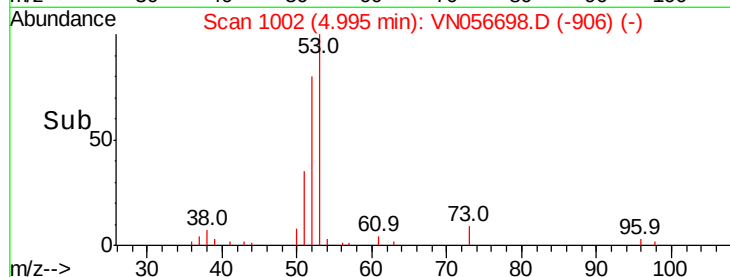
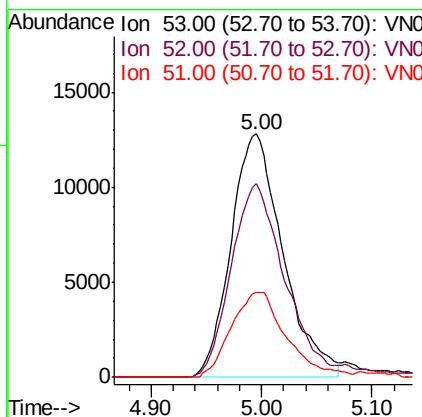
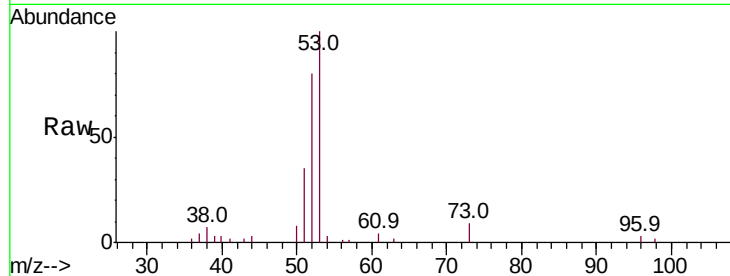
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	41988
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.6	99.8
51	36.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 22.447 ug/l

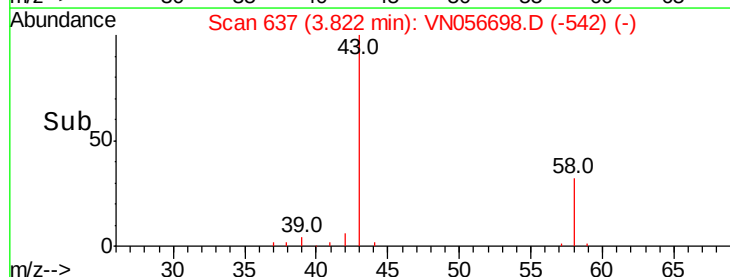
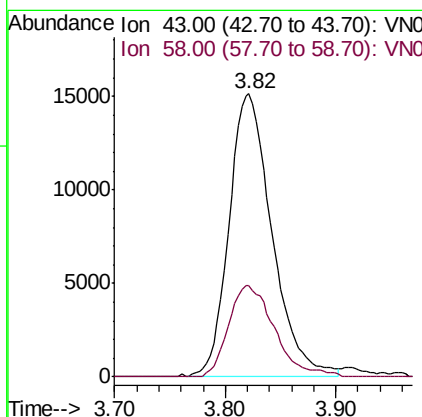
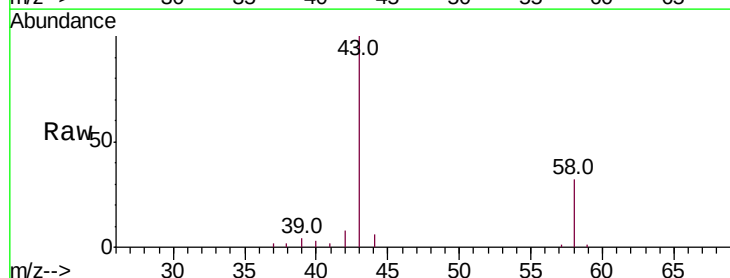
RT: 3.82 min Scan# 637

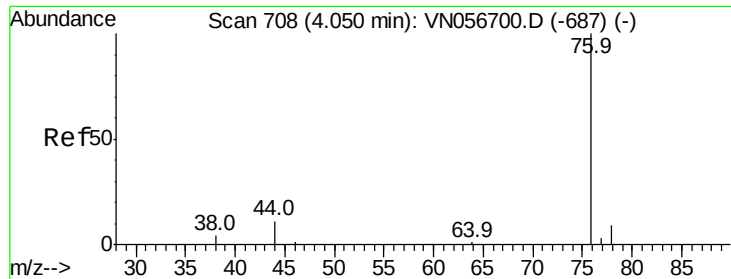
Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	43	Resp:	40908
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.7	40.1





#17

Carbon Disulfide

Concen: 5.654 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 38988

Ion Ratio Lower Upper

76 100

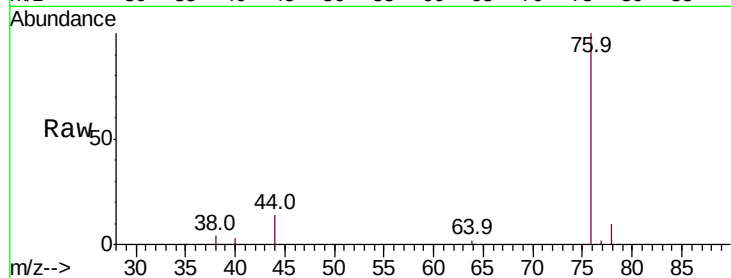
78 9.8 7.4 11.0

Manual Integrations

APPROVED

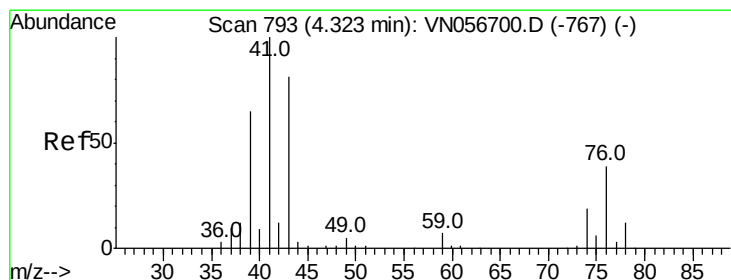
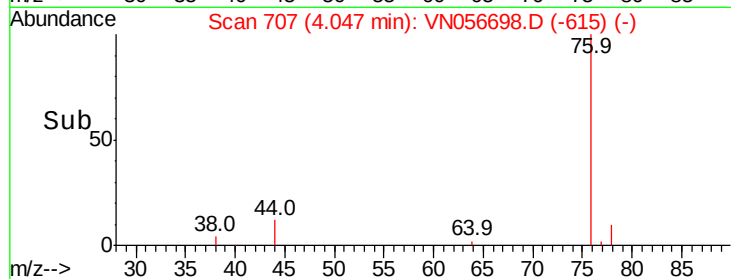
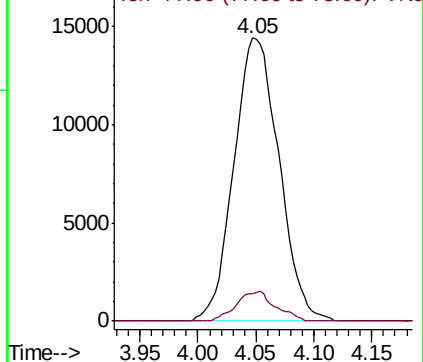
MMDadoda

7/17/2019 1:31:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.458 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056698.D

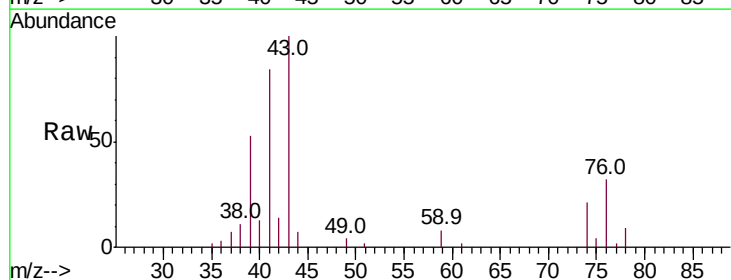
Acq: 15 Jul 2019 9:10

Tgt Ion: 43 Resp: 25488

Ion Ratio Lower Upper

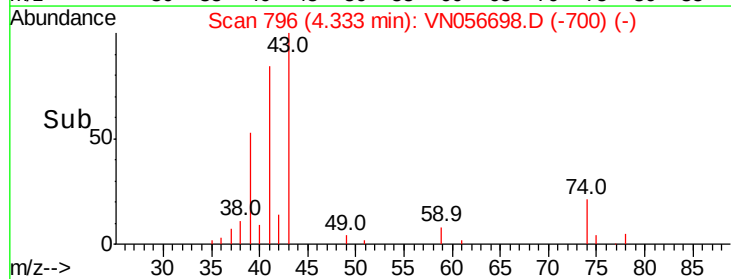
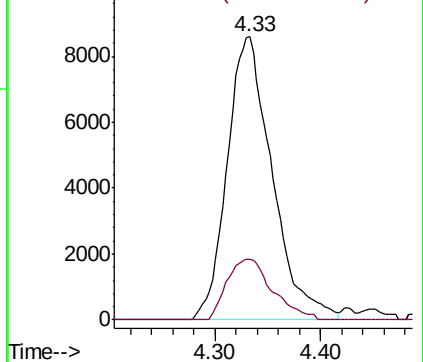
43 100

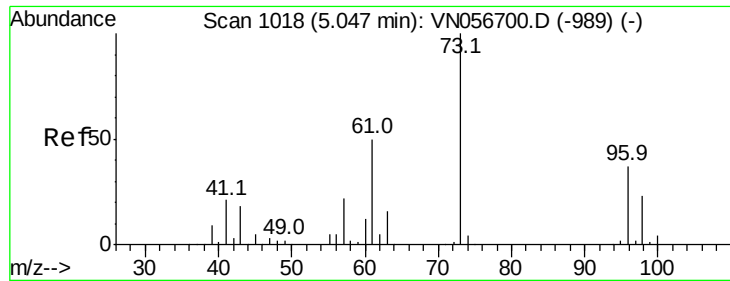
74 21.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





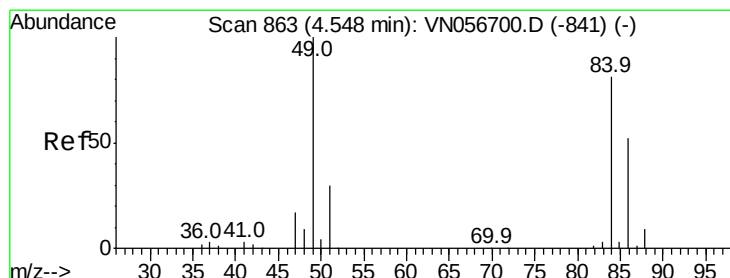
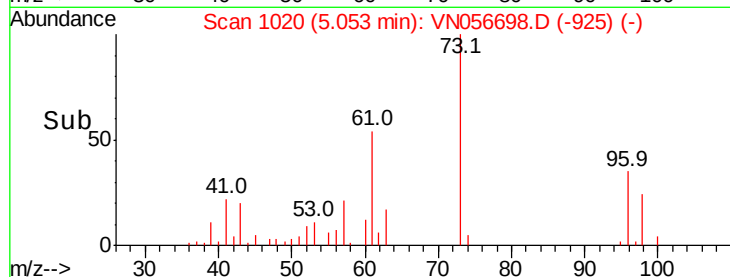
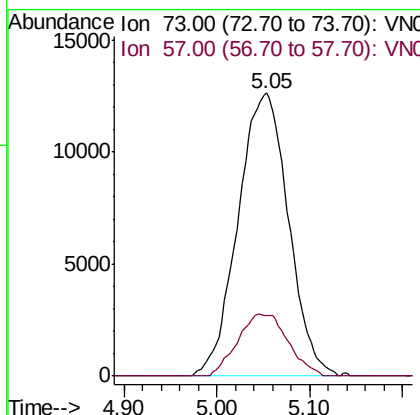
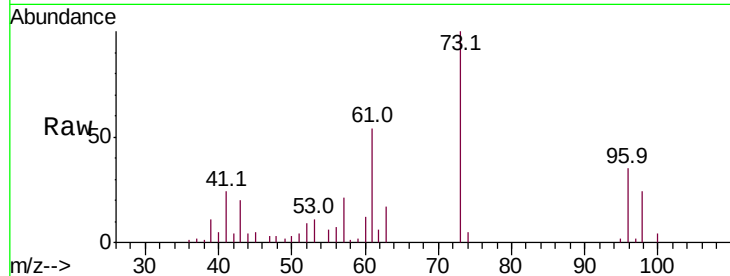
#19
Methyl tert-butyl Ether
Concen: 4.895 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 47748
Ion Ratio Lower Upper
73 100
57 21.3 17.9 26.9

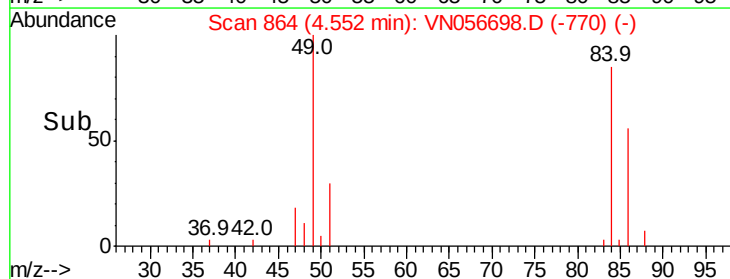
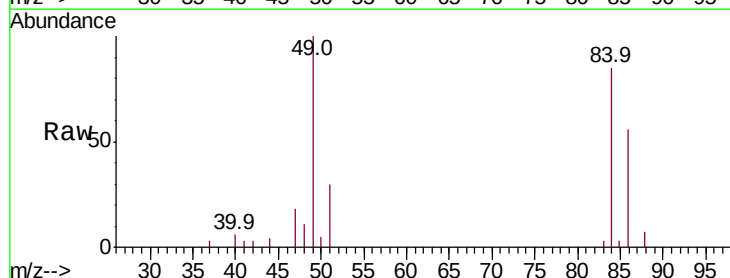
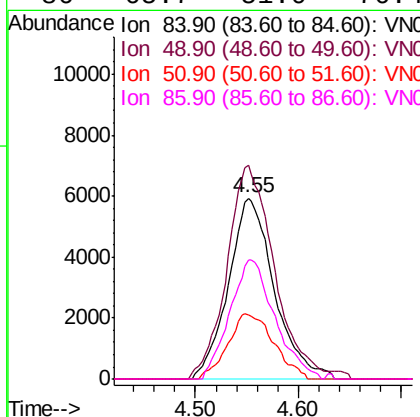
Manual Integrations
APPROVED

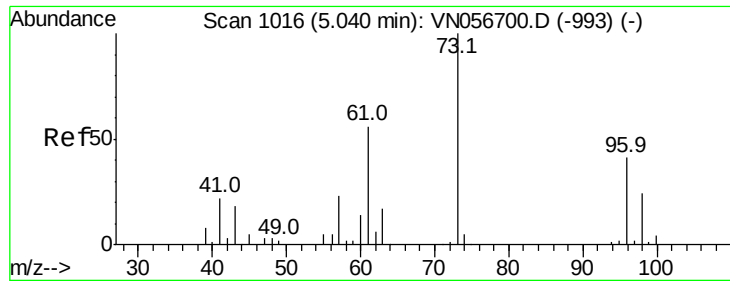
MMDadoda
7/17/2019 1:31:15 AM



#20
Methylene Chloride
Concen: 4.818 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 84 Resp: 18342
Ion Ratio Lower Upper
84 100
49 118.0 98.2 147.4
51 35.7 29.6 44.4
86 65.7 51.0 76.4





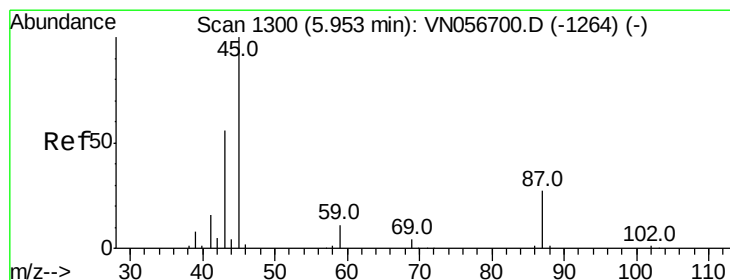
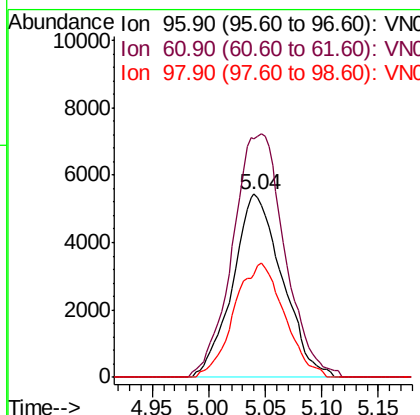
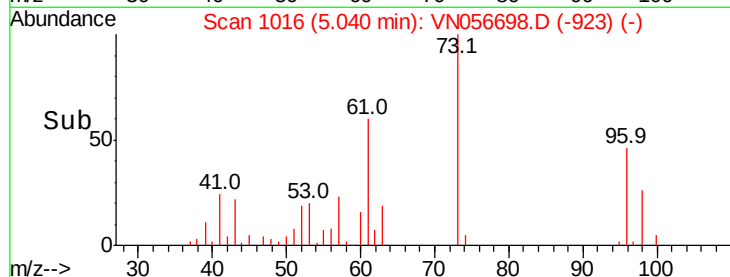
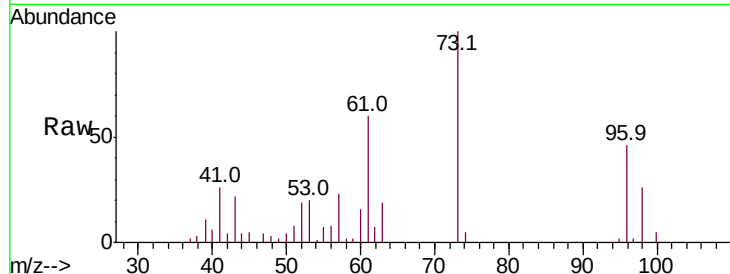
#21
trans-1,2-Dichloroethene
Concen: 5.187 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	109.4	164.2
98	56.3	48.0	72.0

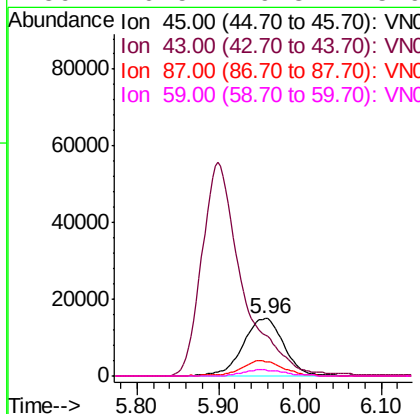
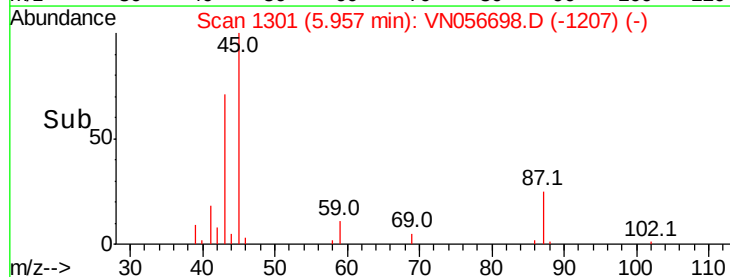
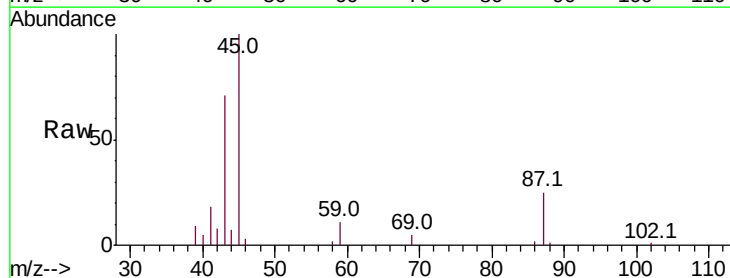
Manual Integrations
APPROVED

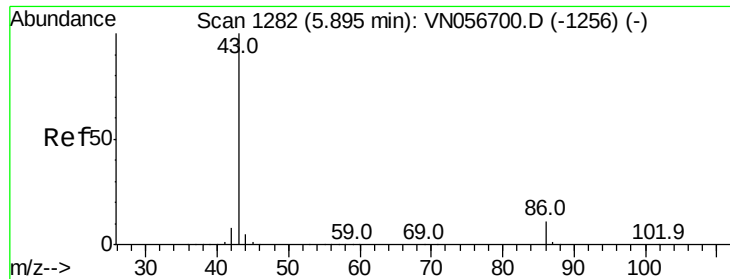
MMDadoda
7/17/2019 1:31:15 AM



#22
Diisopropyl ether
Concen: 5.030 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	45.6	68.4
87	25.2	22.0	33.0
59	10.5	9.3	13.9





#23

Vinyl Acetate

Concen: 23.642 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 193321

Ion Ratio Lower Upper

43 100

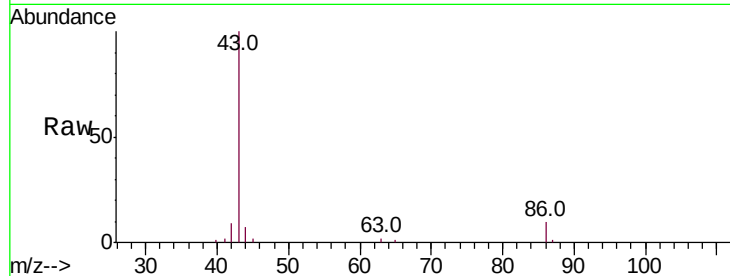
86 10.1 8.5 12.7

Manual Integrations

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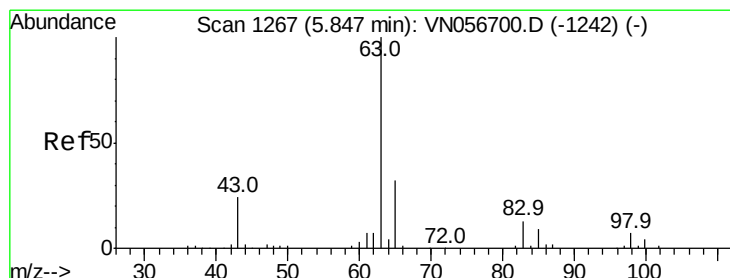
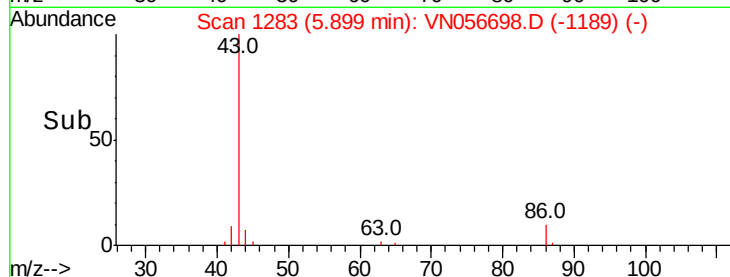
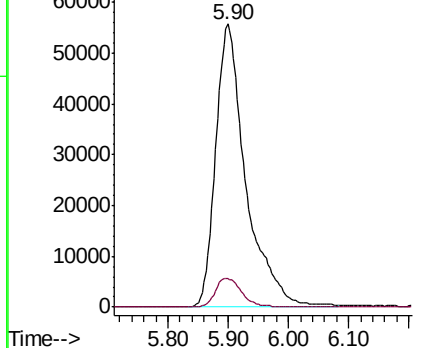
MMDadoda

7/17/2019 1:31:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.162 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

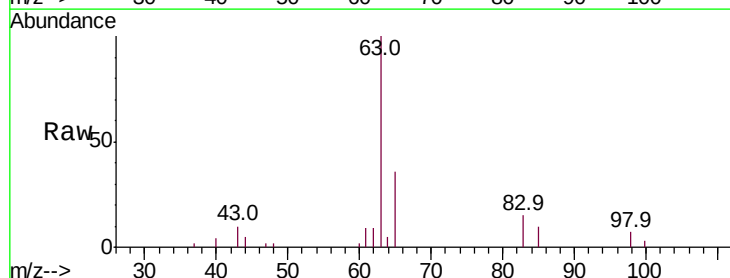
Tgt Ion: 63 Resp: 30661

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

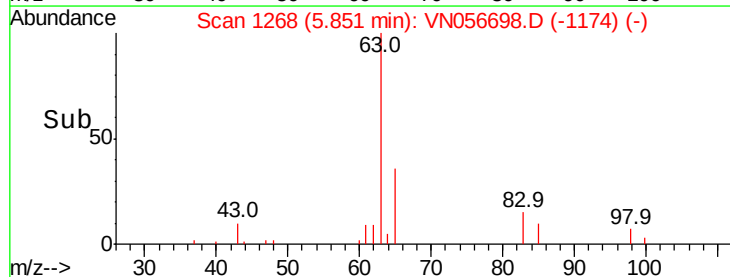
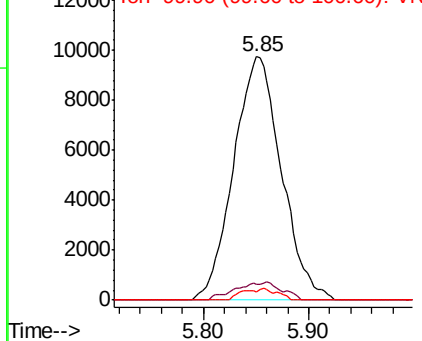
100 3.5 2.0 5.8

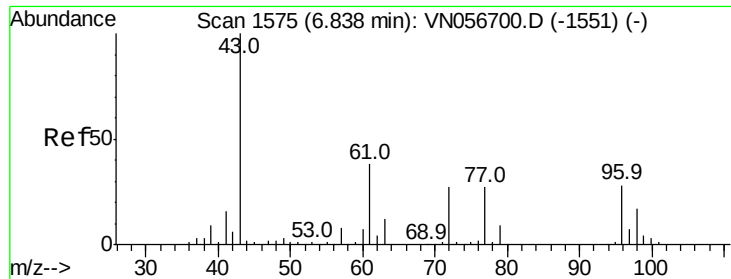


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





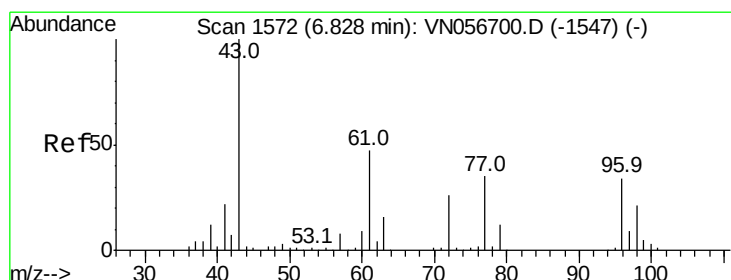
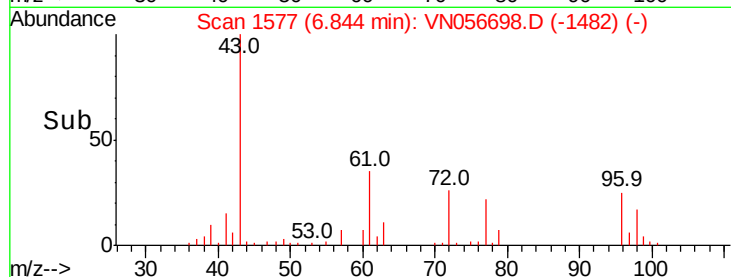
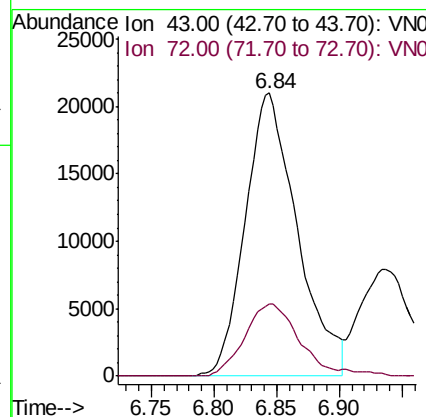
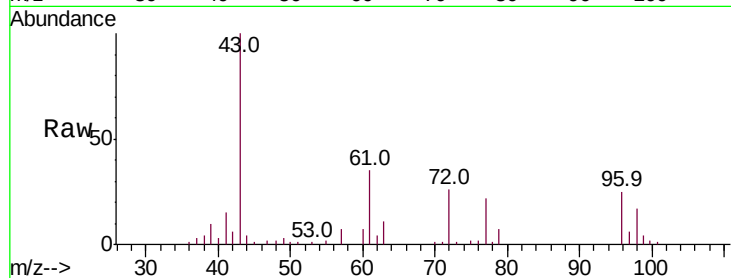
#25
2-Butanone
Concen: 24.811 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 60663
Ion Ratio Lower Upper
43 100
72 25.6 21.2 31.8

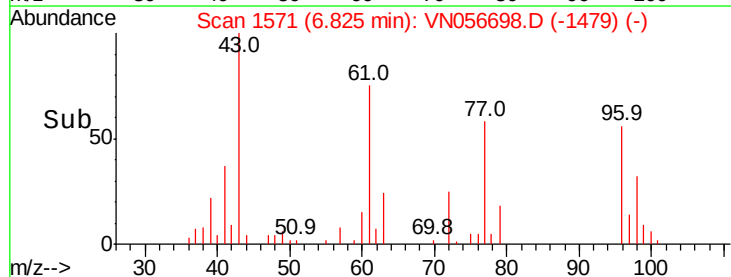
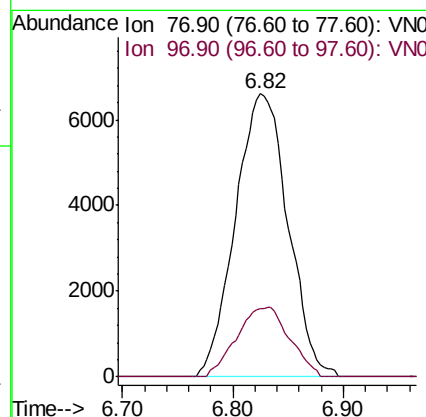
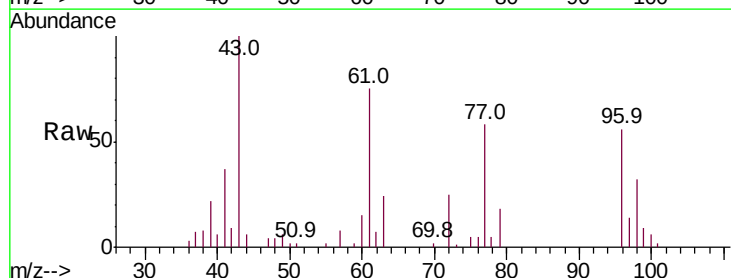
Manual Integrations
APPROVED

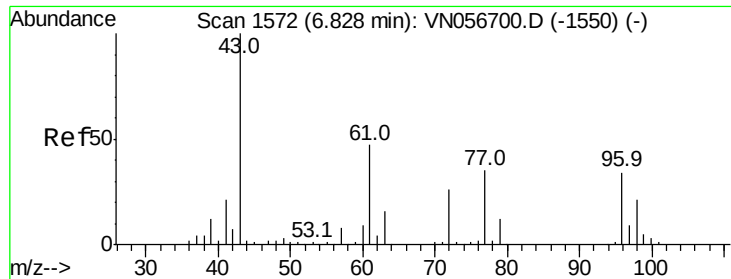
MMDadoda
7/17/2019 1:31:15 AM



#26
2,2-Dichloropropane
Concen: 5.226 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 77 Resp: 21777
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 5.146 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

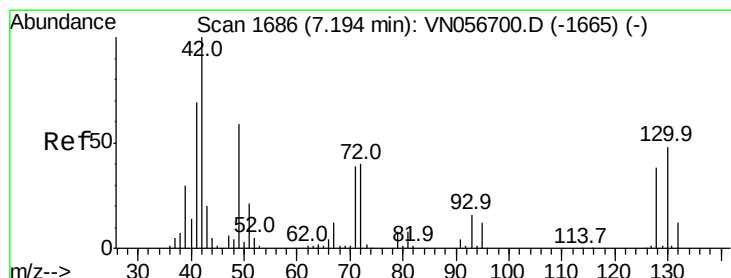
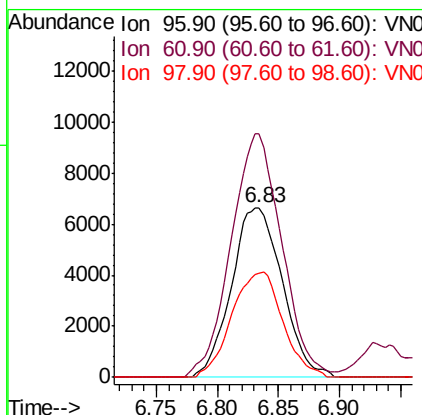
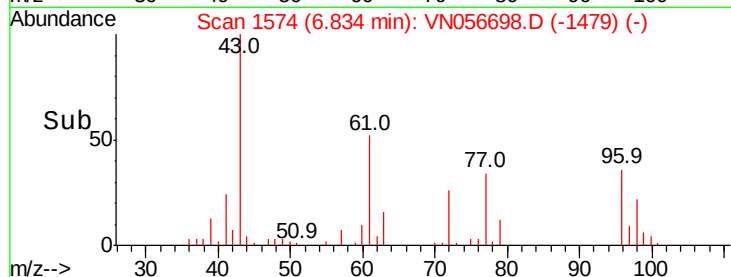
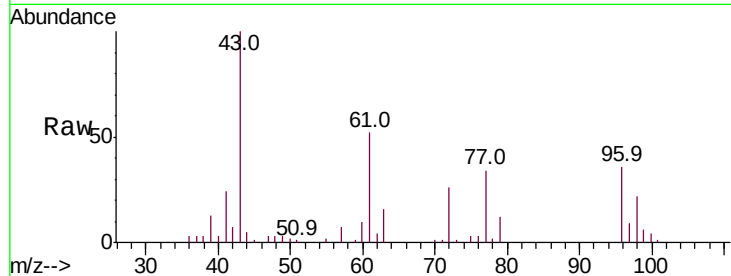
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	19152
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	281.4
98	62.3	0.0	127.8

Manual Integrations
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MMDadoda
7/17/2019 1:31:15 AM



#28

Bromochloromethane

Concen: 5.124 ug/l

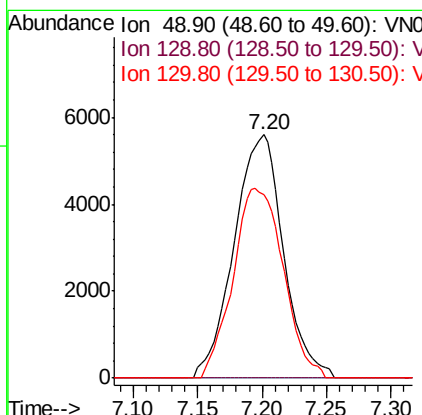
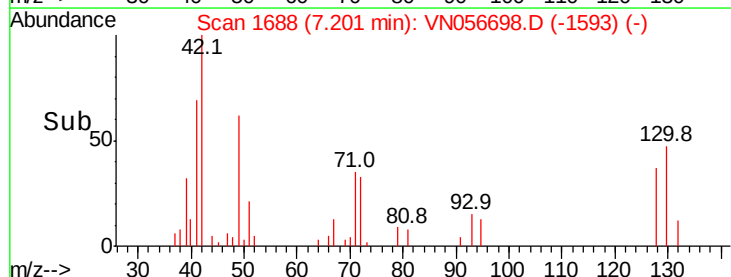
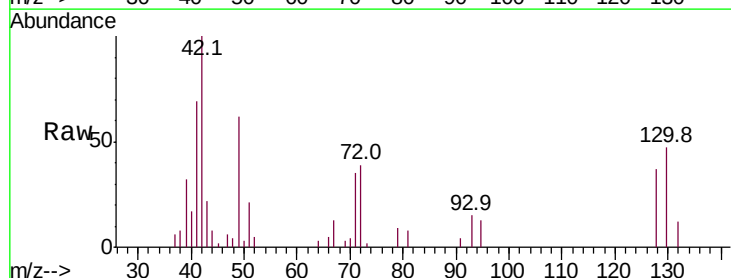
RT: 7.20 min Scan# 1688

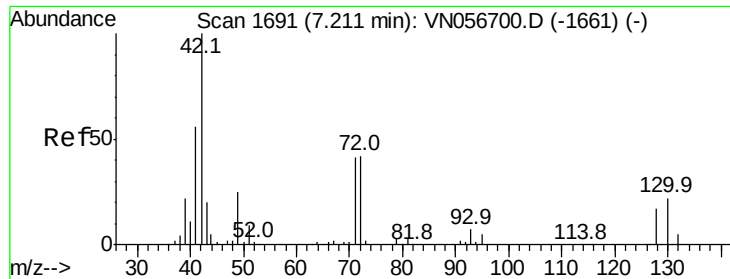
Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	49	Resp:	14934
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	79.5	64.7	97.1





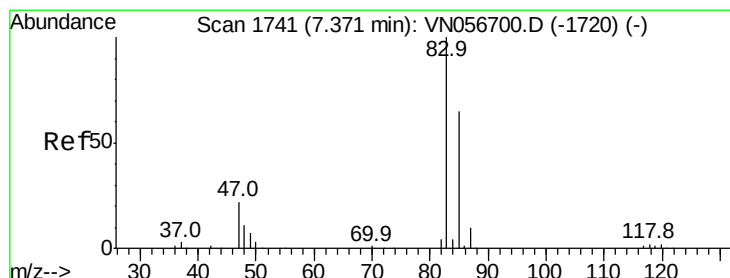
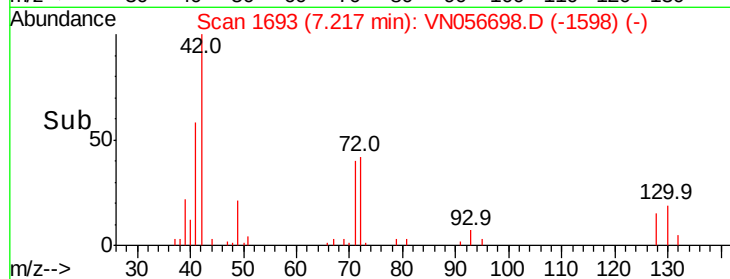
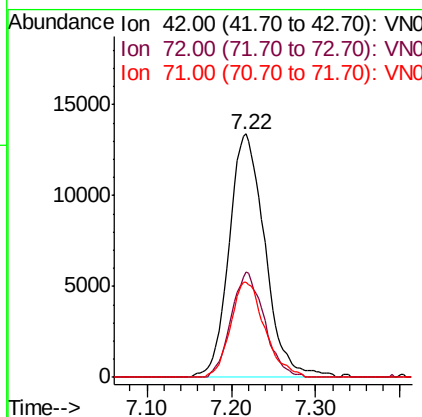
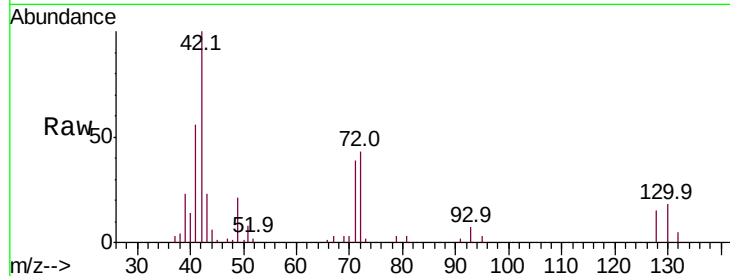
#29
Tetrahydrofuran
Concen: 26.138 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.5	50.3
71	37.3	31.8	47.8

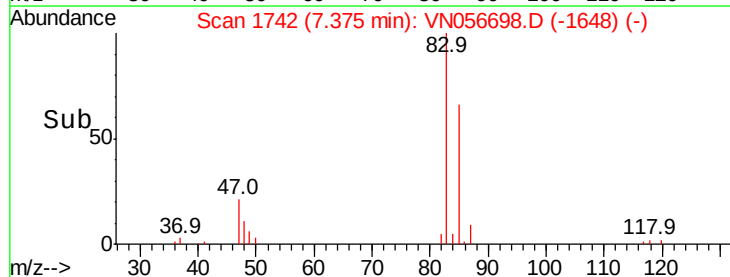
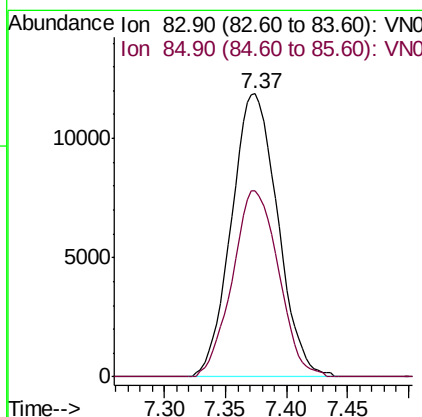
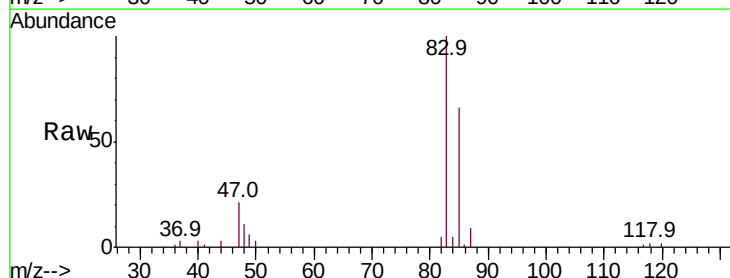
Manual Integrations
APPROVED

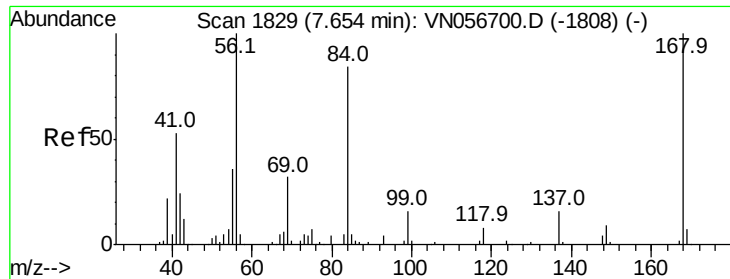
MMDadoda
7/17/2019 1:31:15 AM



#30
Chloroform
Concen: 5.344 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.9	77.9





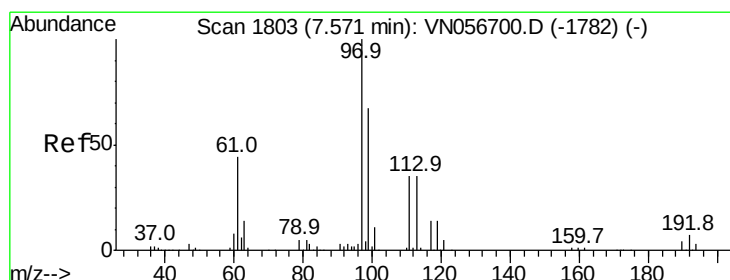
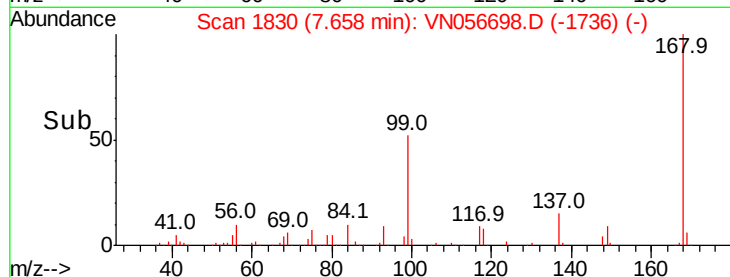
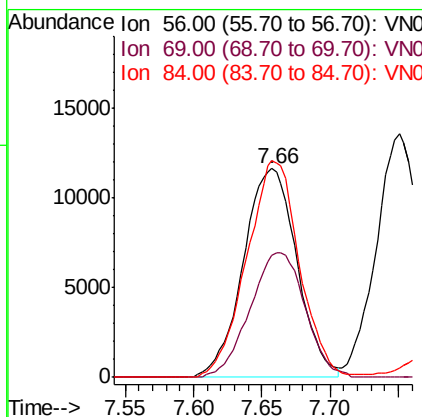
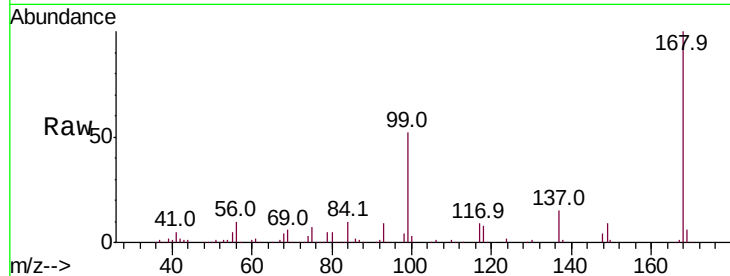
#31
Cyclohexane
Concen: 5.512 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	58.2	25.8	38.8#
84	103.7	67.4	101.0#

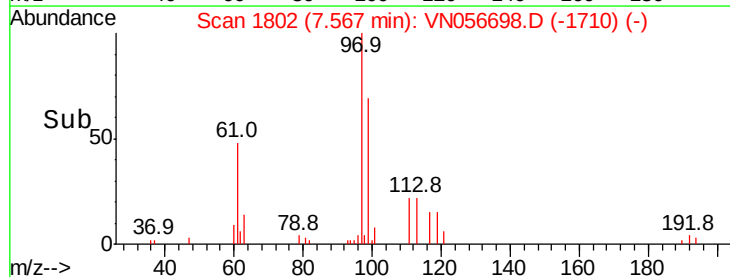
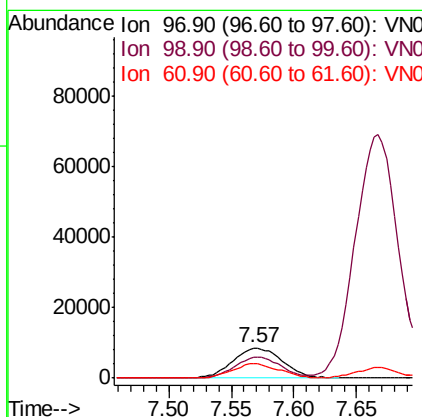
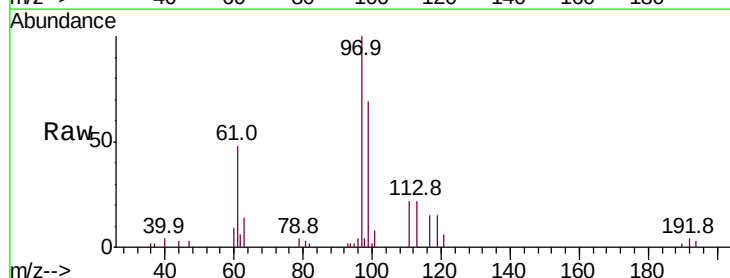
Manual Integrations
APPROVED

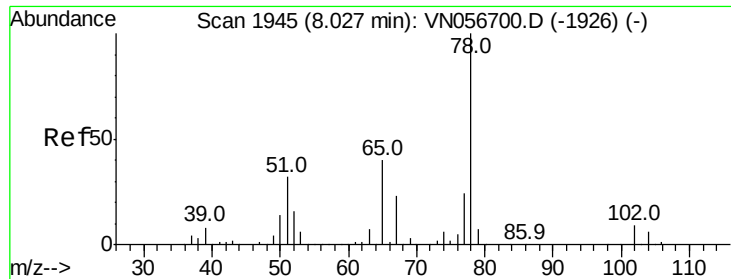
MMDadoda
7/17/2019 1:31:15 AM



#32
1,1,1-Trichloroethane
Concen: 5.003 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.4	52.0	78.0
61	45.2	34.3	51.5





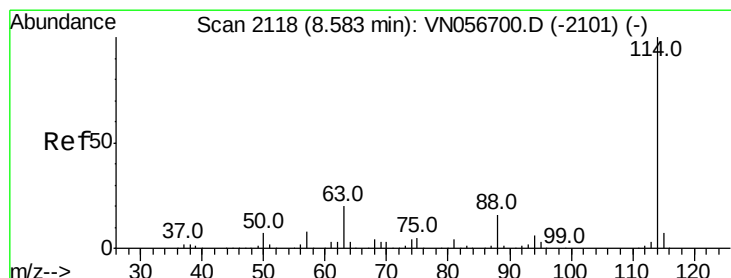
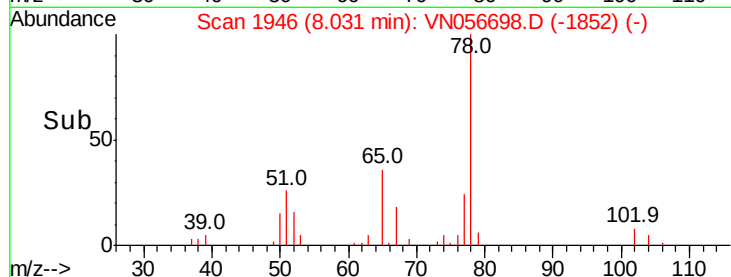
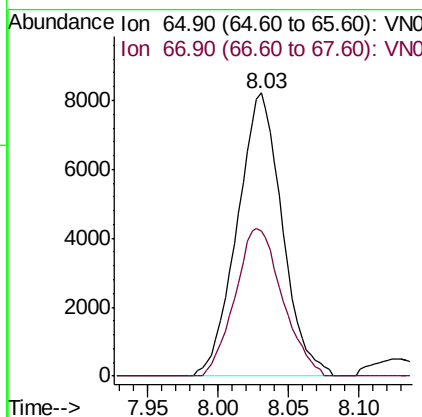
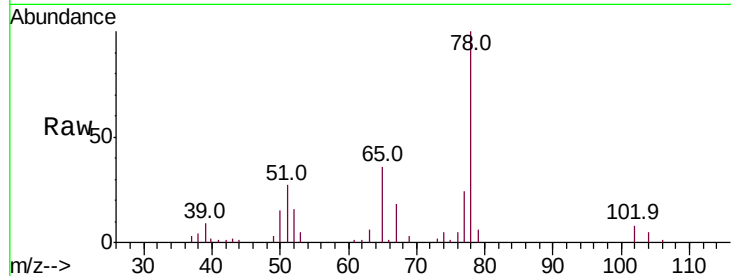
#33
 1,2-Dichloroethane-d4
 Concen: 4.975 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	109.0

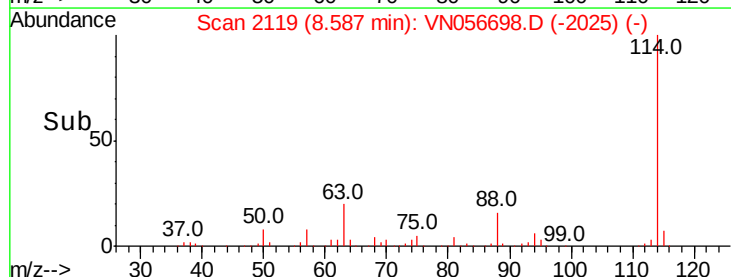
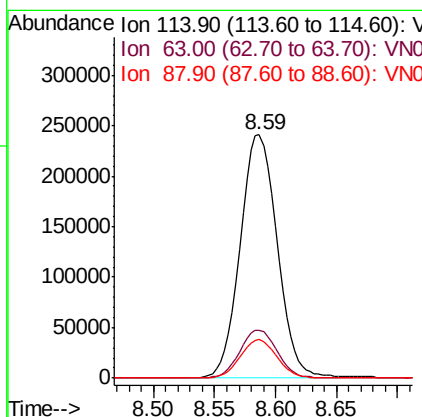
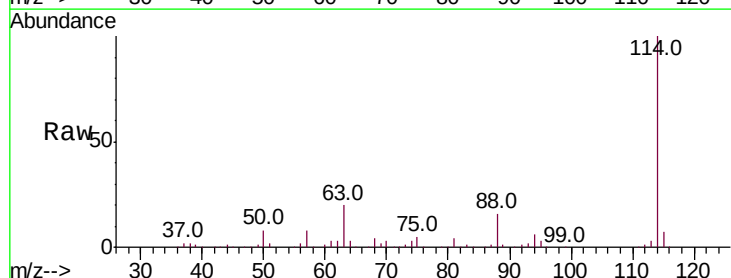
Manual Integrations
 APPROVED

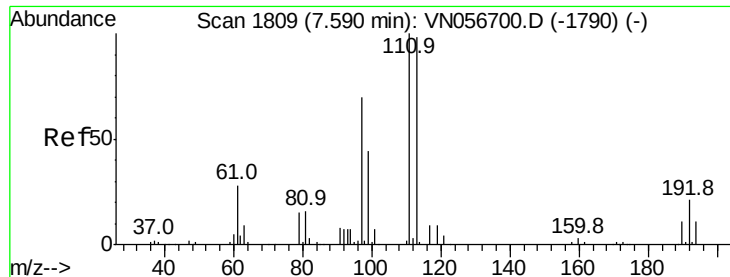
MMDadoda
 7/17/2019 1:31:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.4
88	15.7	0.0	31.2





#35

Dibromofluoromethane

Concen: 4.773 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

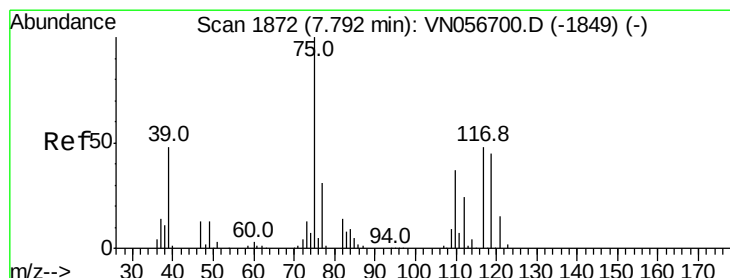
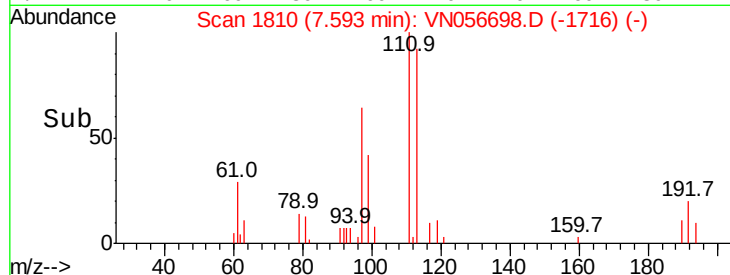
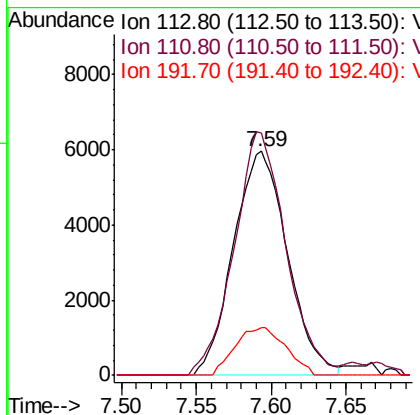
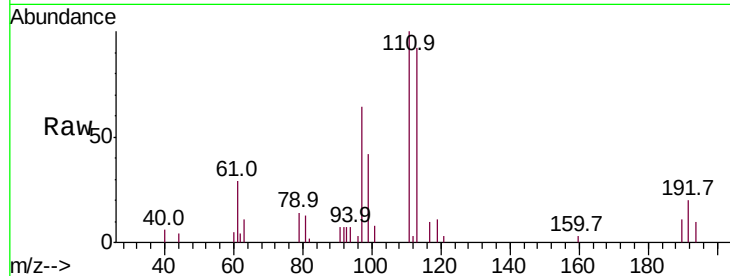
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	15029
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.8	122.6
192	19.9	17.5	26.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:15 AM



#36

1,1-Dichloropropene

Concen: 5.156 ug/l

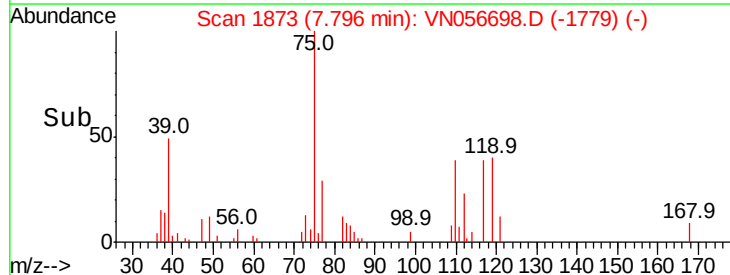
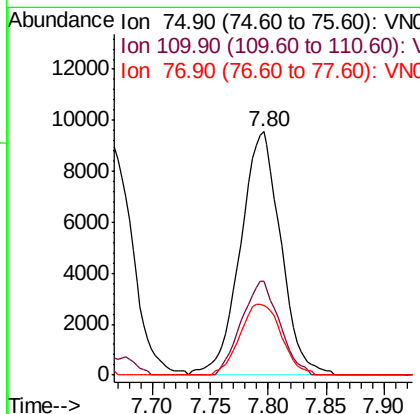
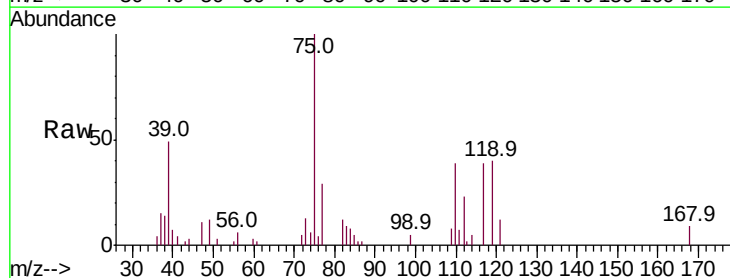
RT: 7.80 min Scan# 1873

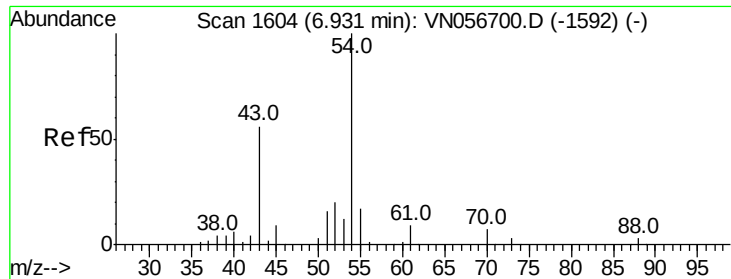
Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	75	Resp:	23155
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.4	55.4
77	29.9	24.6	36.8





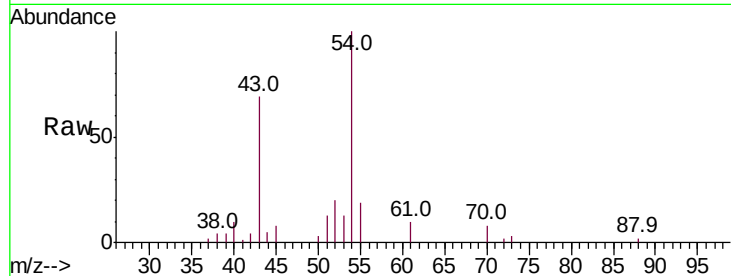
#37
Ethyl Acetate
Concen: 4.539 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.7	11.3	16.9#
70	11.4	8.5	12.7

Manual Integrations
APPROVED

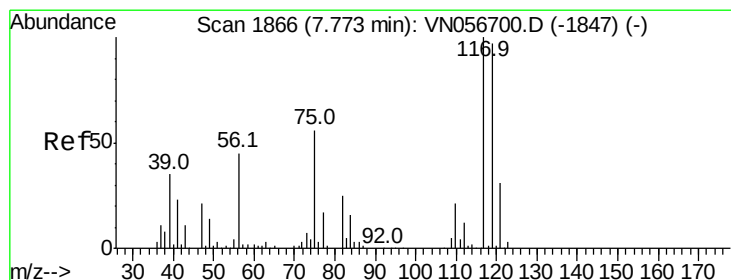
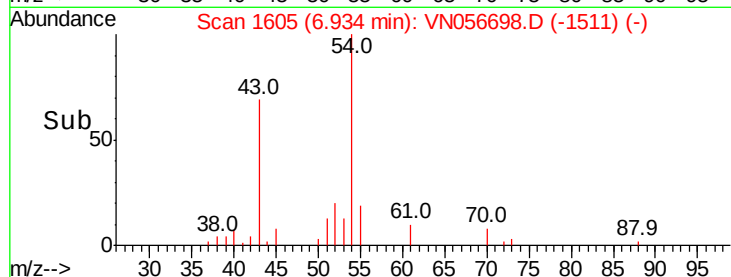
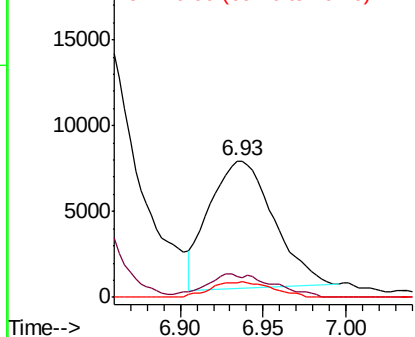
MMDadoda
7/17/2019 1:31:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN056698.D (-1592) (-)

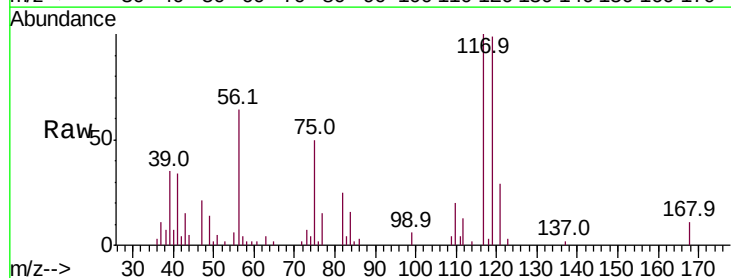
Ion 60.90 (60.60 to 61.60): VN056698.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN056698.D (-1592) (-)



#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

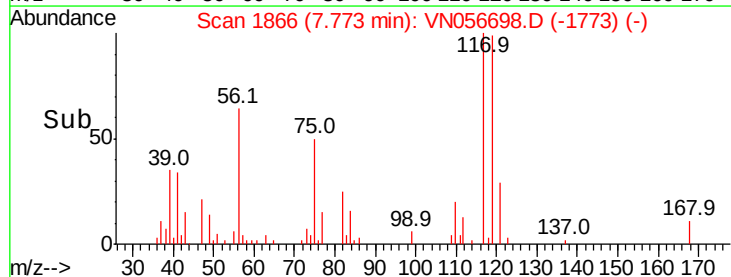
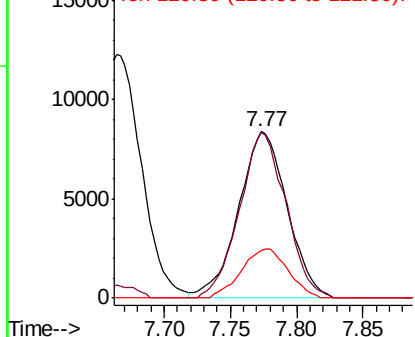
Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.5	116.3
121	29.0	24.7	37.1

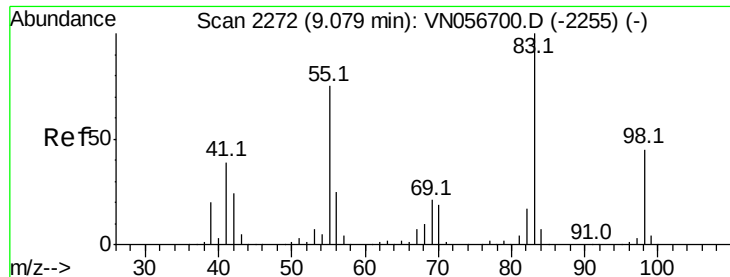


Abundance Ion 116.80 (116.50 to 117.50): VN056698.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN056698.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN056698.D (-1773) (-)





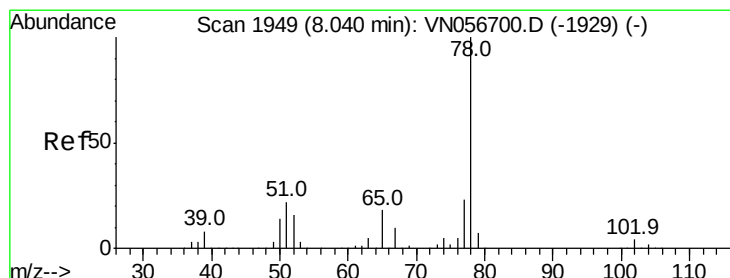
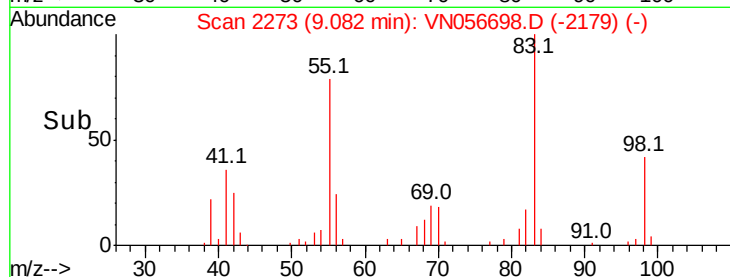
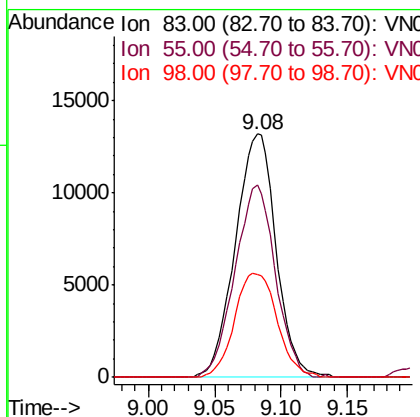
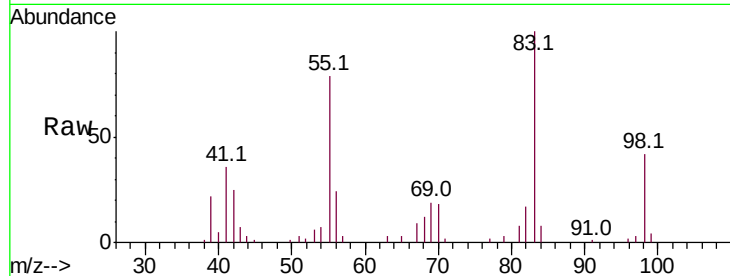
#39
Methylvlcyclohexane
Concen: 5.058 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	60.4	90.6
98	42.2	35.8	53.8

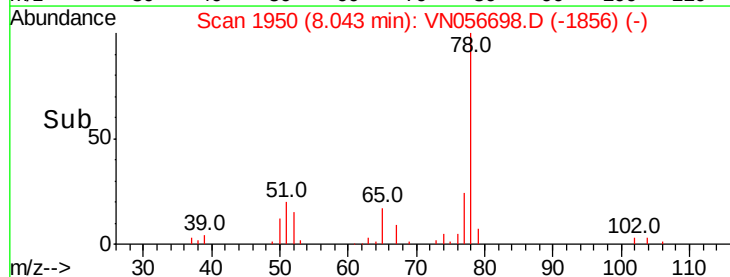
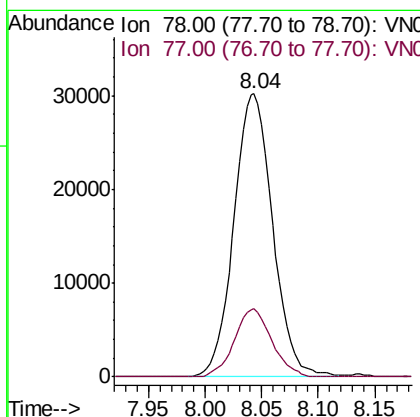
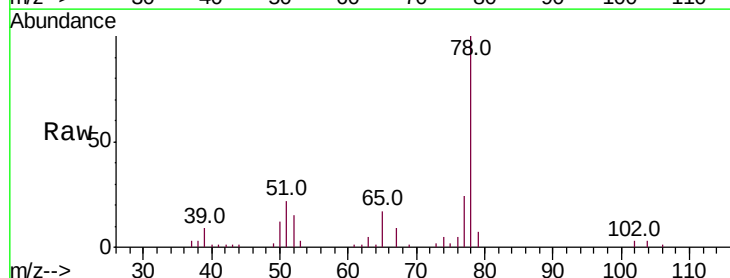
Manual Integrations
APPROVED

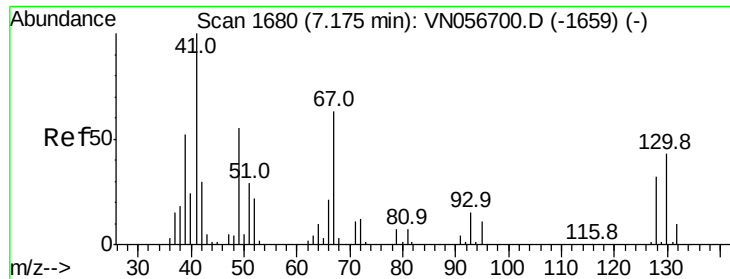
MMDadoda
7/17/2019 1:31:15 AM



#40
Benzene
Concen: 5.219 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	27.8





#41

Methacrylonitrile

Concen: 4.889 ug/l m

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 41 Resp: 9446

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

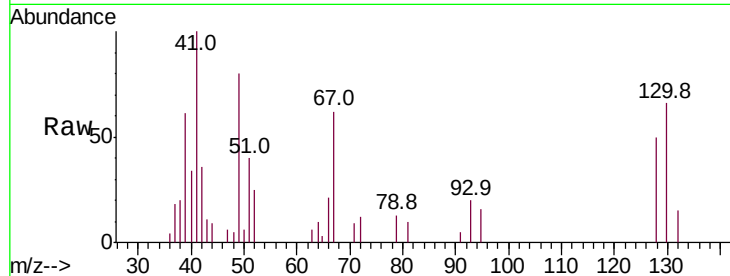
52 0.0 0.0 0.0

Manual Integrations

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MMDadoda

7/17/2019 1:31:15 AM

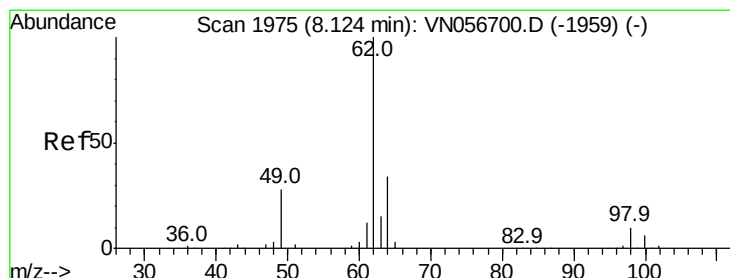
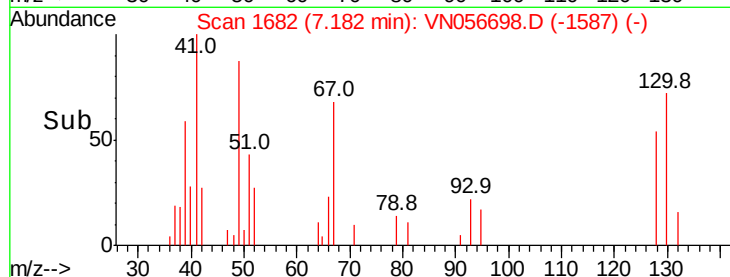
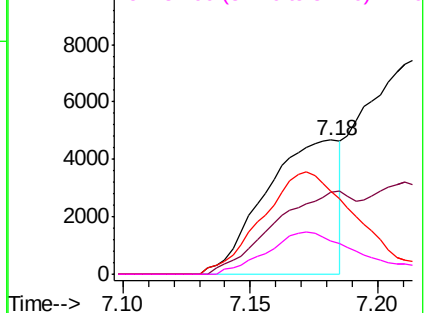


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 5.099 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056698.D

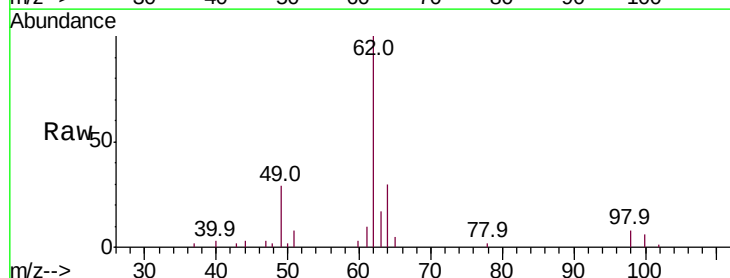
Acq: 15 Jul 2019 9:10

Tgt Ion: 62 Resp: 23155

Ion Ratio Lower Upper

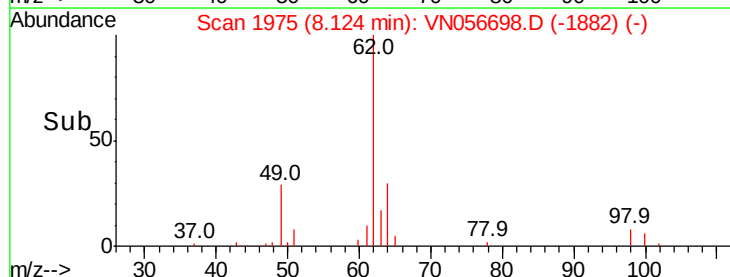
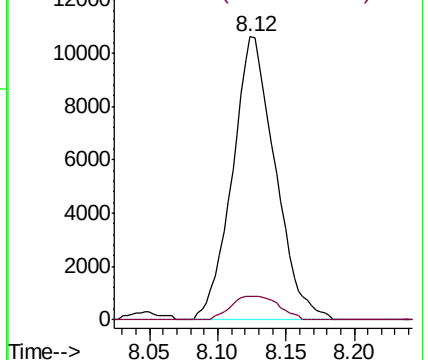
62 100

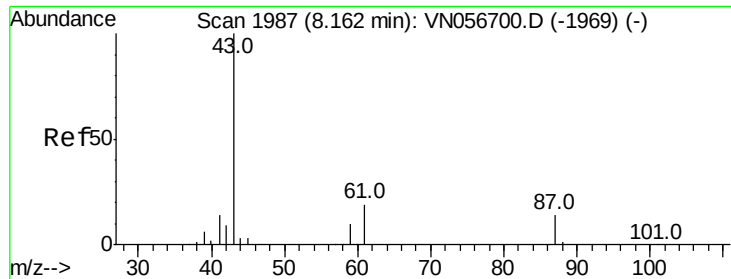
98 9.4 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 5.098 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

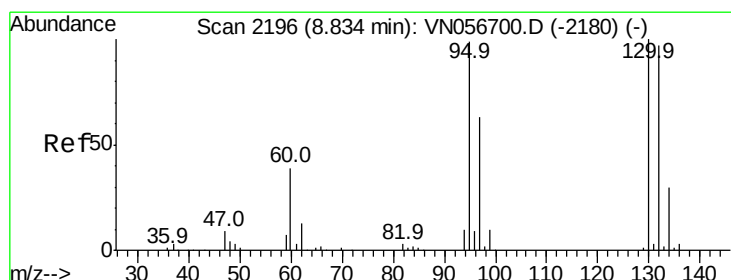
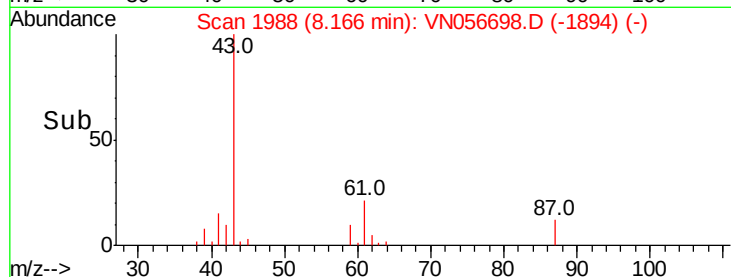
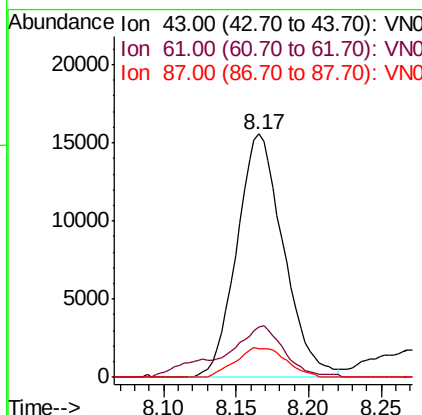
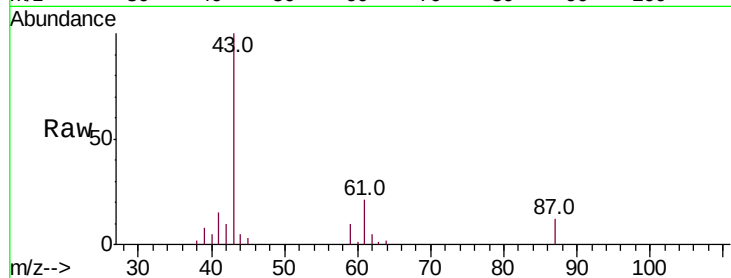
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	34873
Ion Ratio	Lower	Upper	
43	100		
61	21.6	22.3	33.5#
87	13.1	11.1	16.7

Manual Integrations
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MMDadoda
7/17/2019 1:31:15 AM



#44

Trichloroethene

Concen: 5.259 ug/l

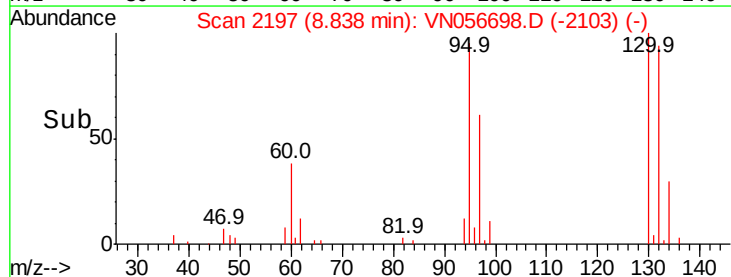
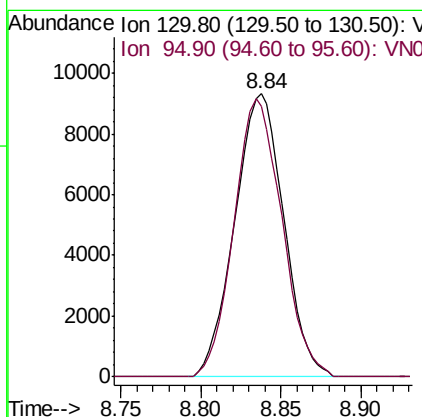
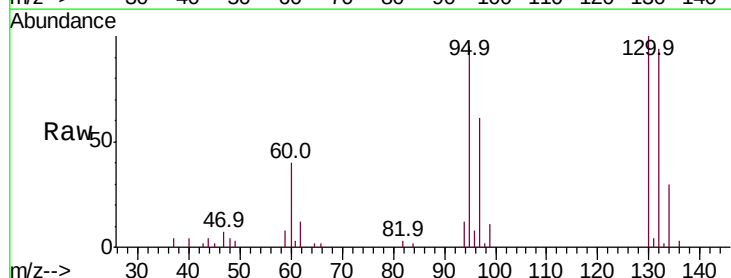
RT: 8.84 min Scan# 2197

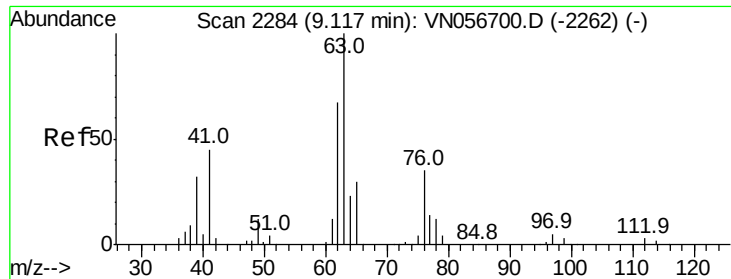
Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	130	Resp:	19504
Ion Ratio	Lower	Upper	
130	100		
95	95.5	0.0	197.2





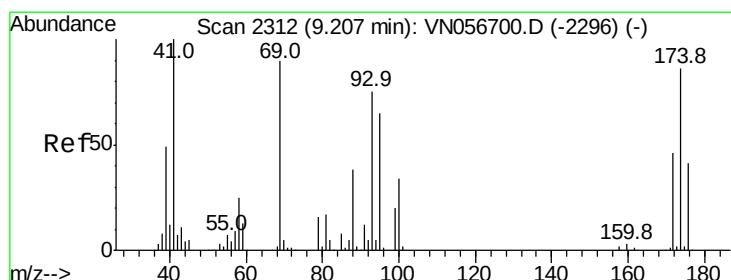
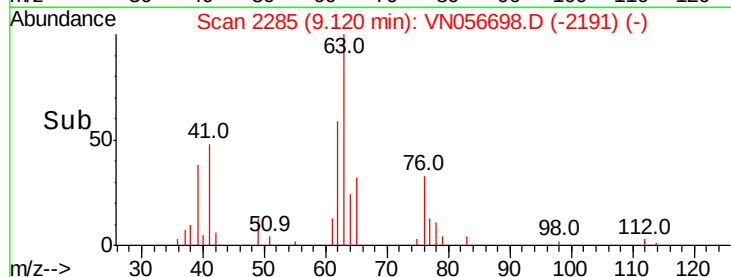
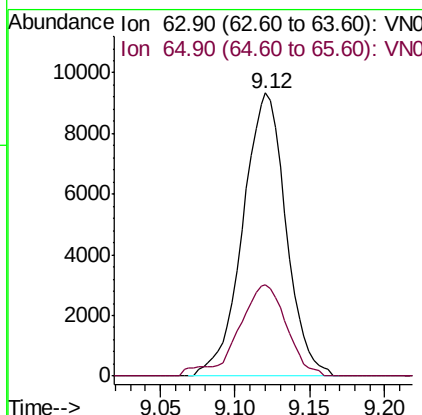
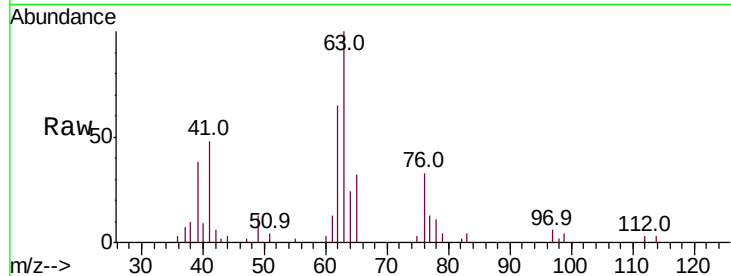
#45
 1,2-Dichloropropane
 Concen: 5.076 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18753
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.0 36.0

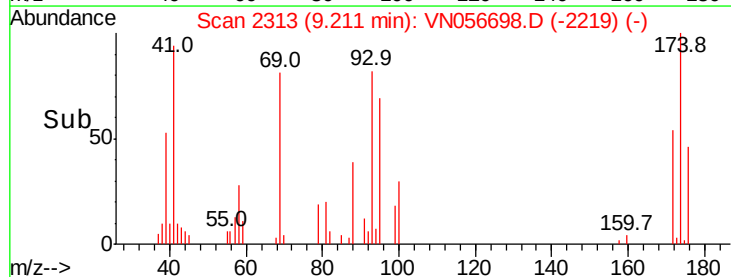
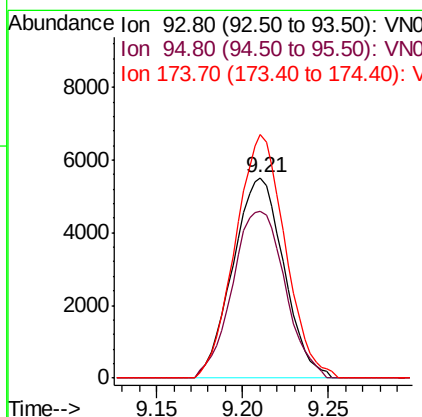
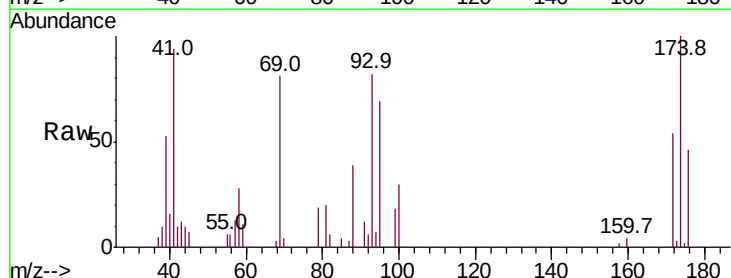
Manual Integrations
 APPROVED

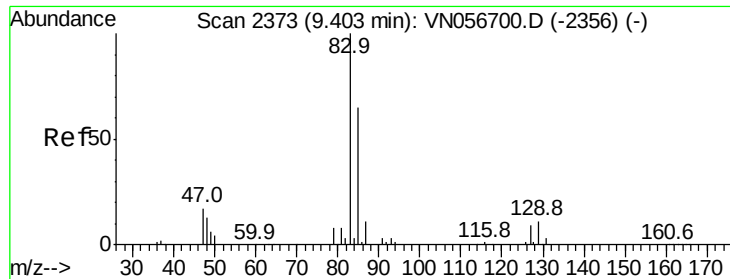
MMDadoda
 7/17/2019 1:31:15 AM



#46
 Dibromomethane
 Concen: 4.896 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion: 93 Resp: 11303
 Ion Ratio Lower Upper
 93 100
 95 85.9 67.4 101.0
 174 119.0 90.3 135.5





#47

Bromodichloromethane

Concen: 5.178 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

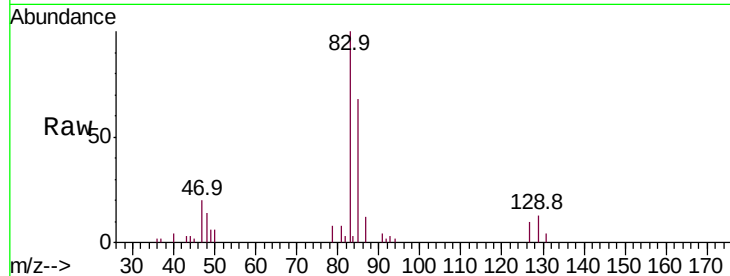
ClientSampleId :

VSTDIC005

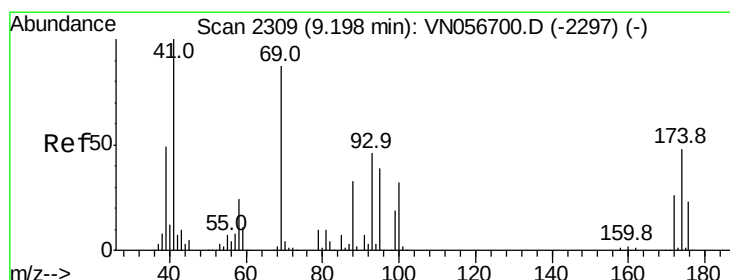
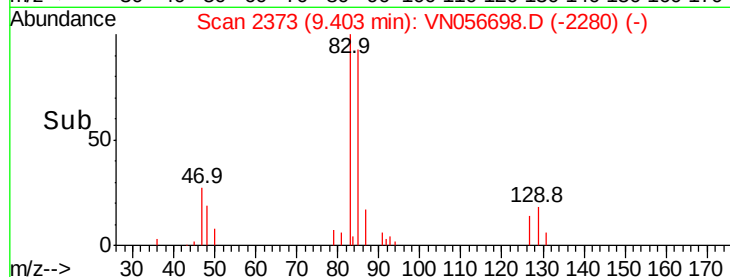
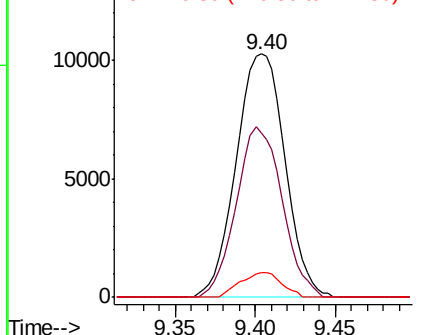
Tot Ion:	83	Resp:	21389
Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.3	78.5
127	10.3	7.6	11.4

Manual Integrations
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MMDadoda
7/17/2019 1:31:15 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056698.D (-2280) (-)



#48

Methyl methacrylate

Concen: 4.701 ug/l

RT: 9.20 min Scan# 2310

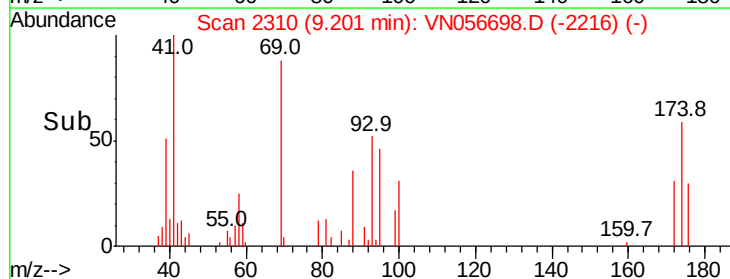
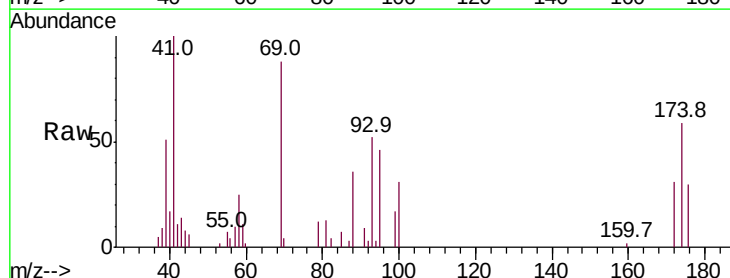
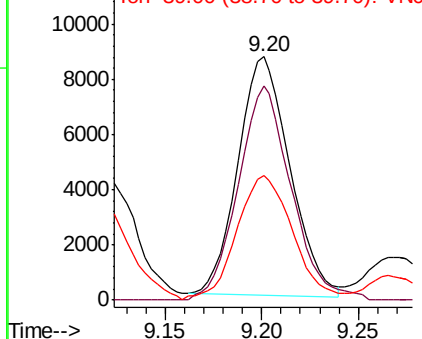
Delta R.T. 0.00 min

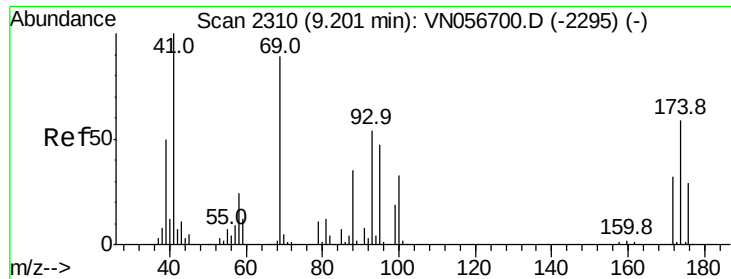
Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	41	Resp:	16141
Ion	Ratio	Lower	Upper
41	100		
69	91.7	71.4	107.0
39	56.2	41.2	61.8

Abundance Ion 41.00 (40.70 to 41.70): VN056698.D (-2216) (-)





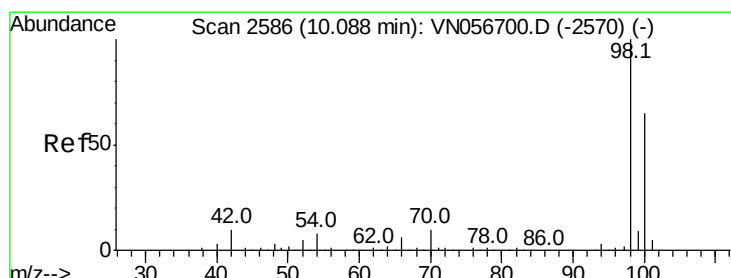
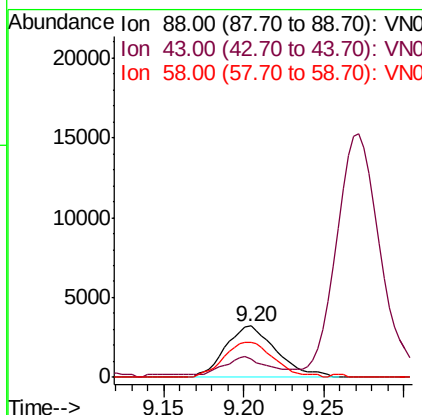
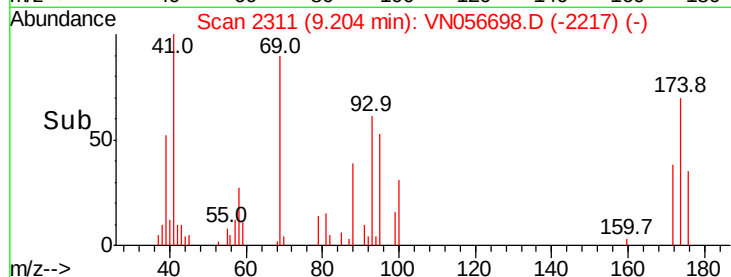
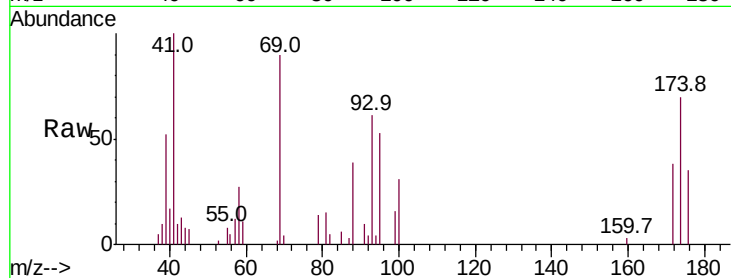
#49
1,4-Dioxane
Concen: 98.973 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.8	23.7	35.5
58	67.4	55.6	83.4

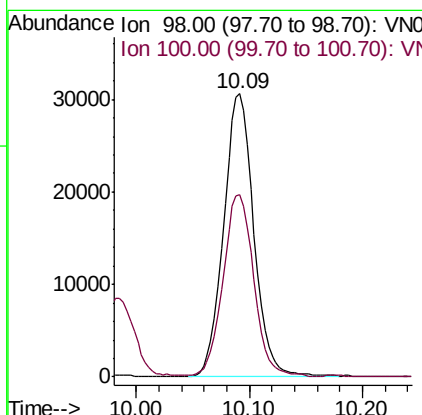
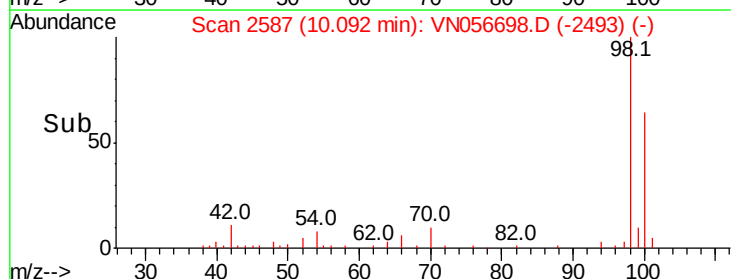
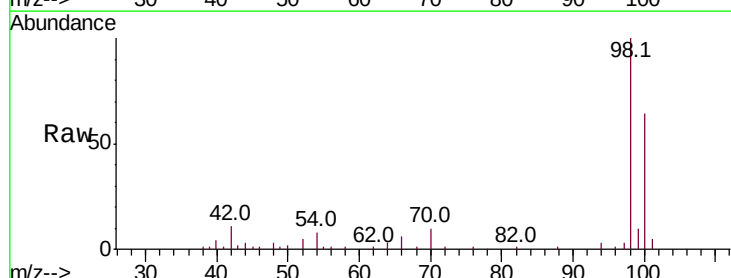
Manual Integrations
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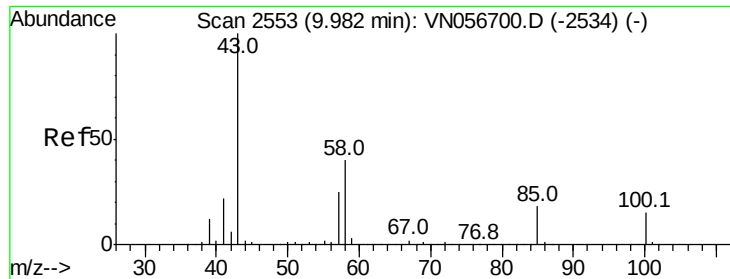
MMDadoda
7/17/2019 1:31:15 AM



#50
Toluene-d8
Concen: 4.650 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 25.298 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 111737

Ion Ratio Lower Upper

43 100

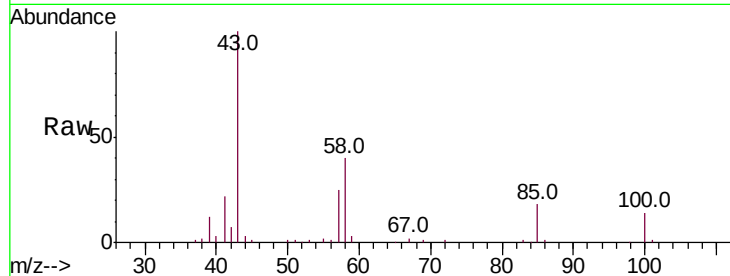
58 39.7 32.0 48.0

Manual Integrations

APPROVED

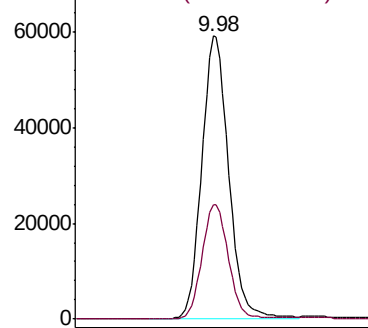
MMDadoda

7/17/2019 1:31:15 AM

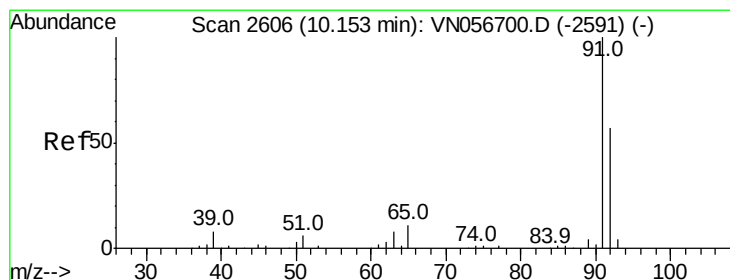
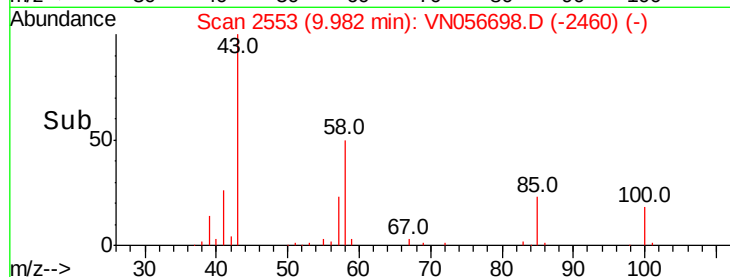


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 4.975 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056698.D

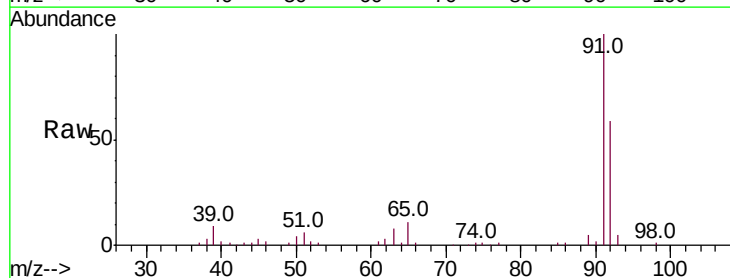
Acq: 15 Jul 2019 9:10

Tgt Ion: 92 Resp: 42005

Ion Ratio Lower Upper

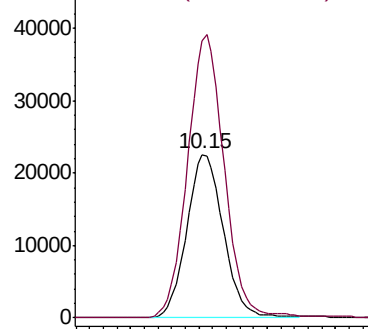
92 100

91 172.1 139.9 209.9

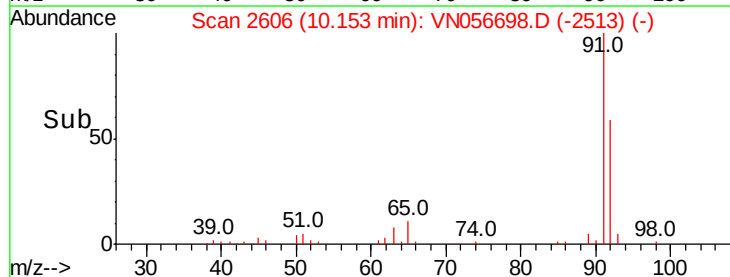


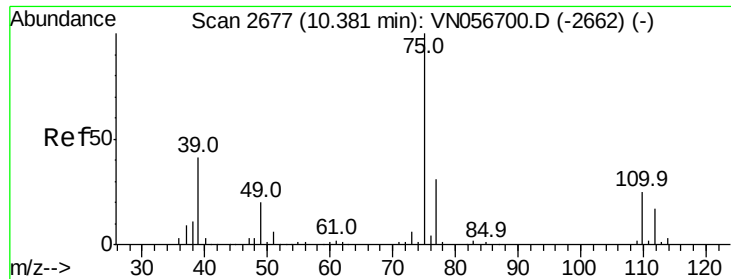
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





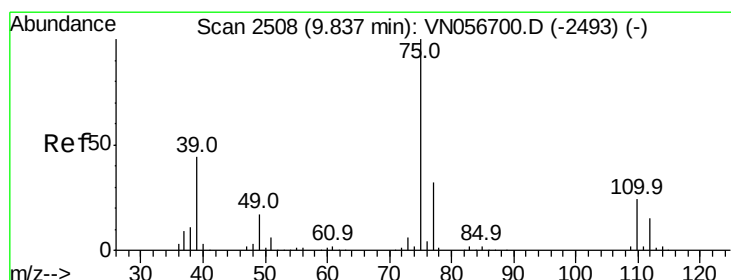
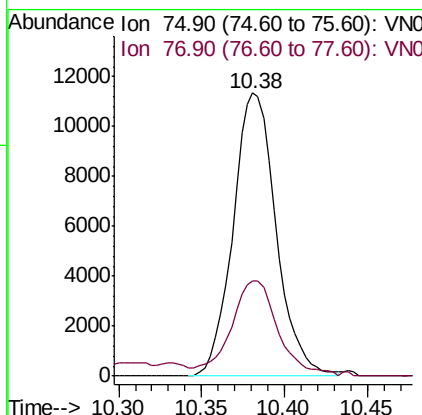
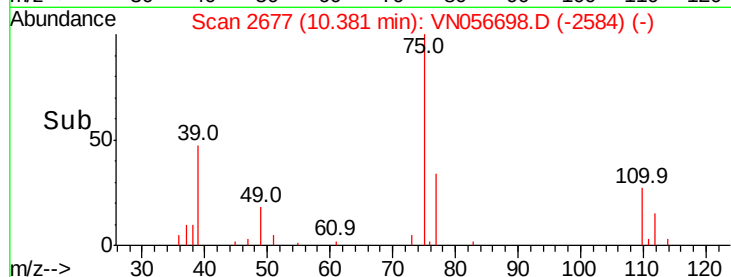
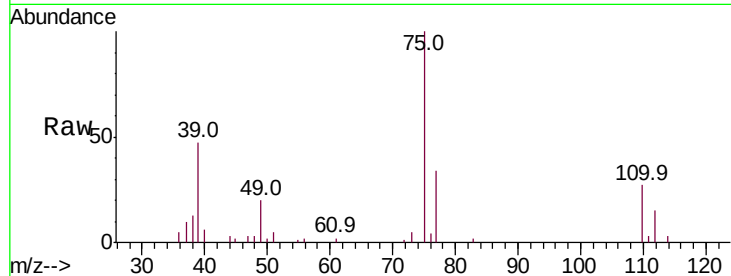
#53
t-1,3-Dichloropropene
Concen: 4.905 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 20504
Ion Ratio Lower Upper
75 100
77 33.6 25.0 37.6

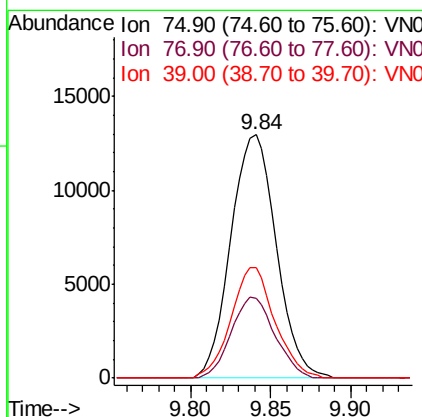
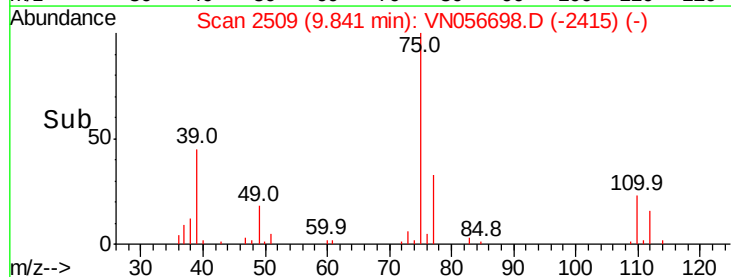
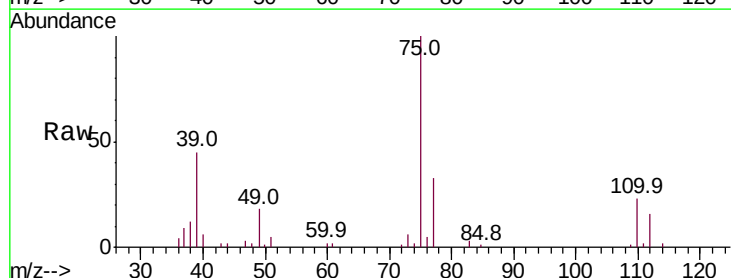
Manual Integrations
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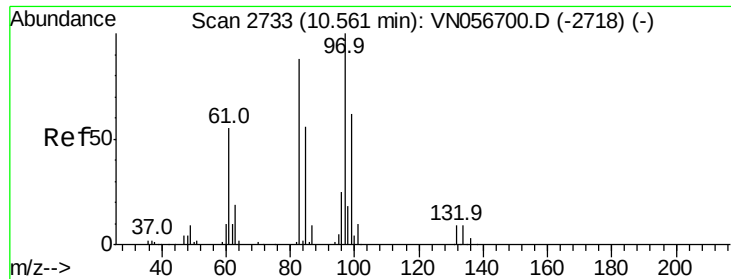
MMDadoda
7/17/2019 1:31:15 AM



#54
cis-1,3-Dichloropropene
Concen: 5.067 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 75 Resp: 25142
Ion Ratio Lower Upper
75 100
77 33.0 26.0 39.0
39 45.3 35.1 52.7





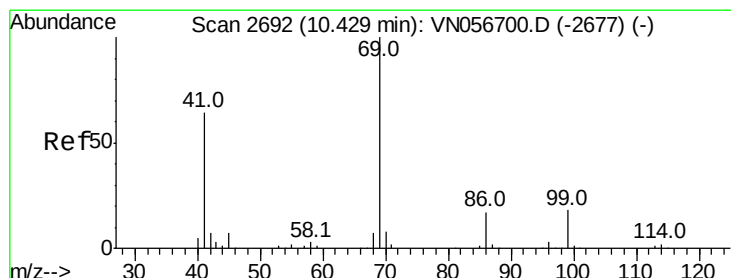
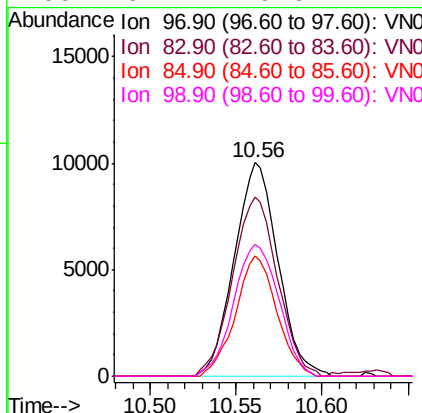
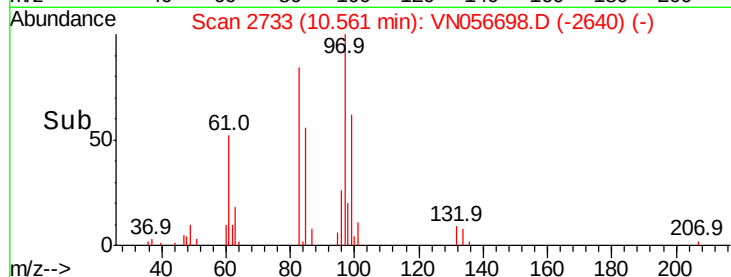
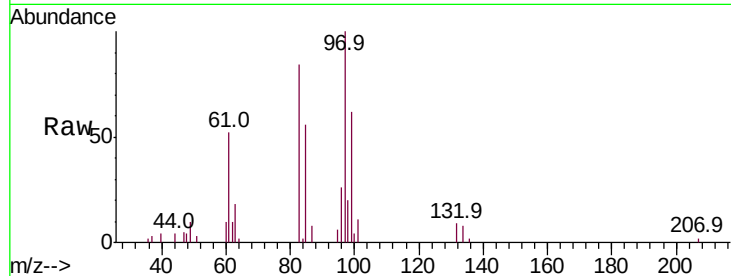
#55
1,1,2-Trichloroethane
Concen: 5.225 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	97	Resp	17706
Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.3	105.5
85	56.2	44.8	67.2
99	61.7	49.6	74.4

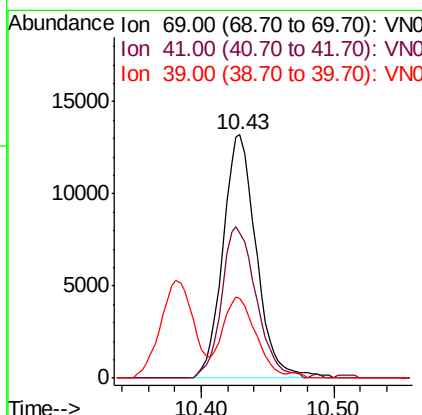
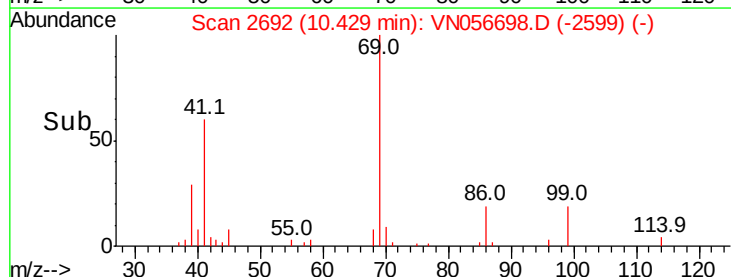
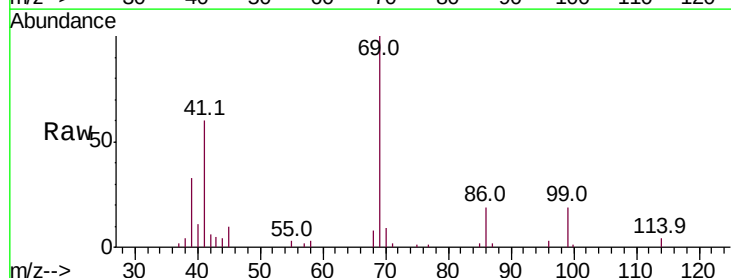
Manual Integrations
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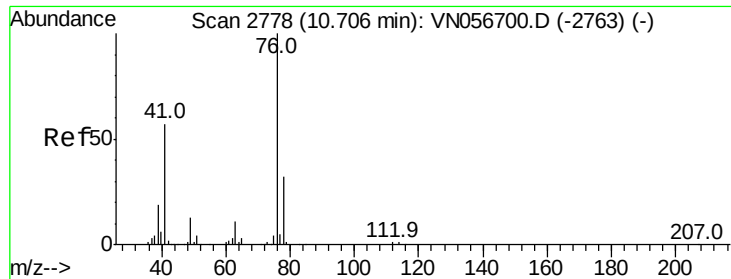
MMDadoda
7/17/2019 1:31:15 AM



#56
Ethyl methacrylate
Concen: 4.638 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	69	Resp	23137
Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.0	76.4
39	30.3	24.6	36.8





#57

1,3-Dichloropropane

Concen: 5.051 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 28730

Ion Ratio Lower Upper

76 100

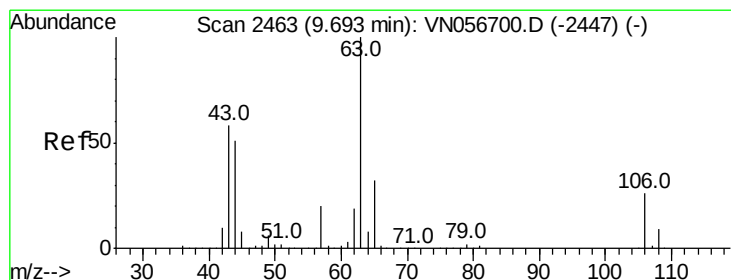
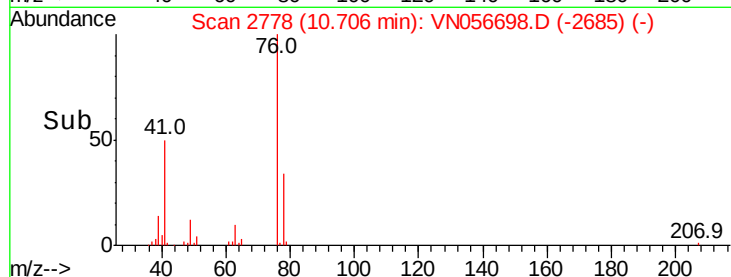
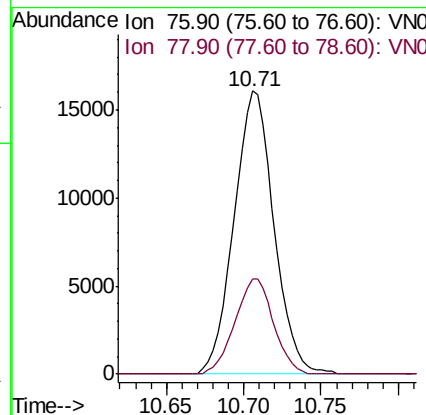
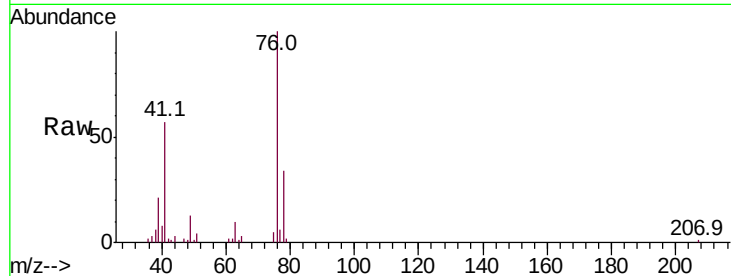
78 32.4 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:15 AM



#58

2-Chloroethyl Vinyl ether

Concen: 30.226 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056698.D

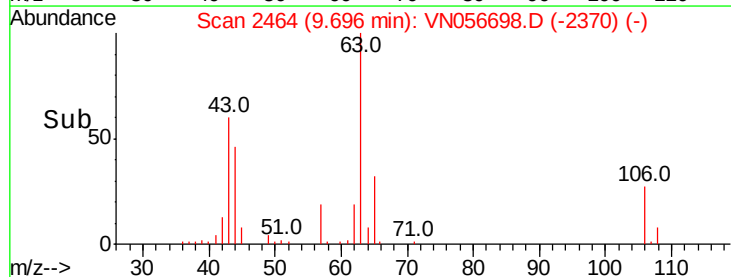
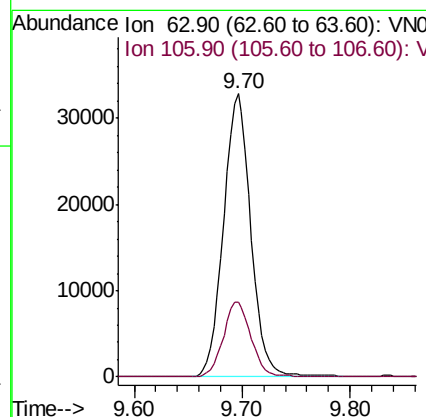
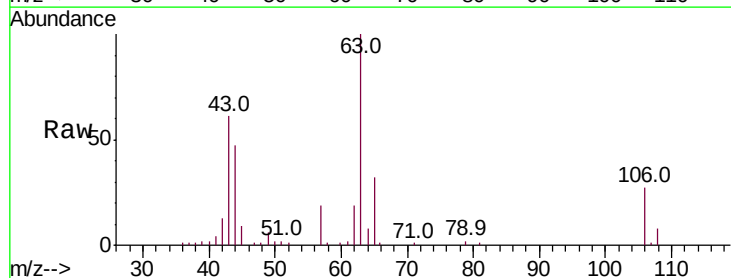
Acq: 15 Jul 2019 9:10

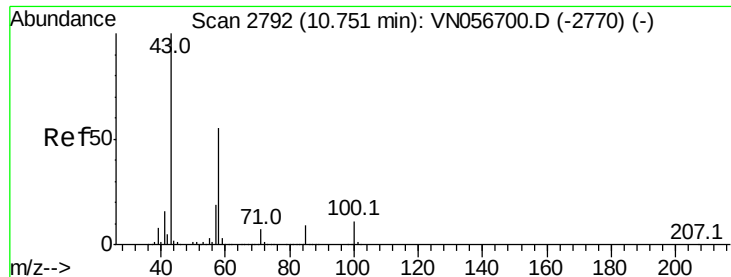
Tgt Ion: 63 Resp: 57752

Ion Ratio Lower Upper

63 100

106 26.8 21.2 31.8





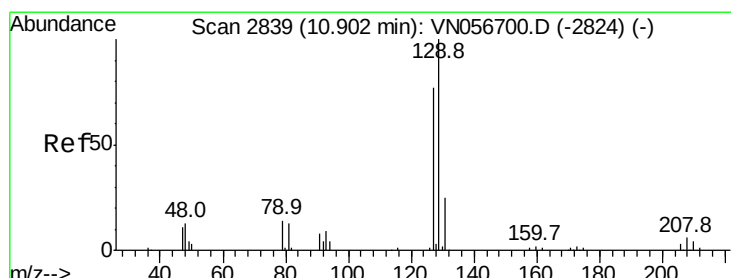
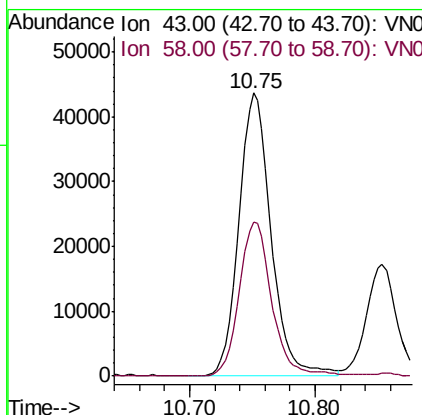
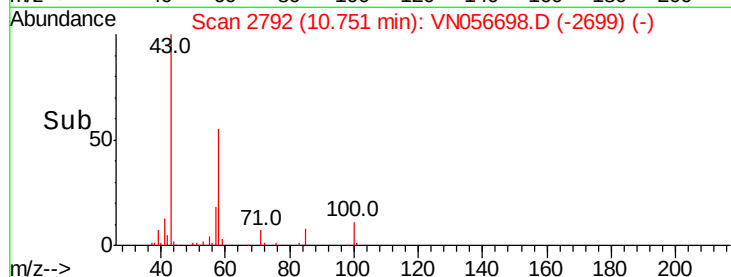
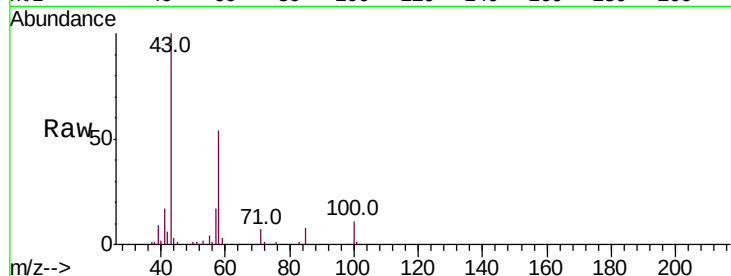
#59
2-Hexanone
Concen: 23.999 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	100	Lower	Upper
Resp	78168					
Ion	43	58	100	54.8	27.9	83.6

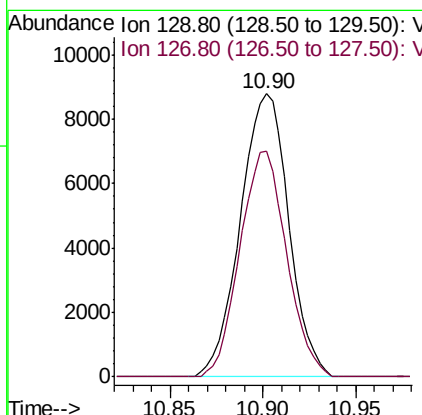
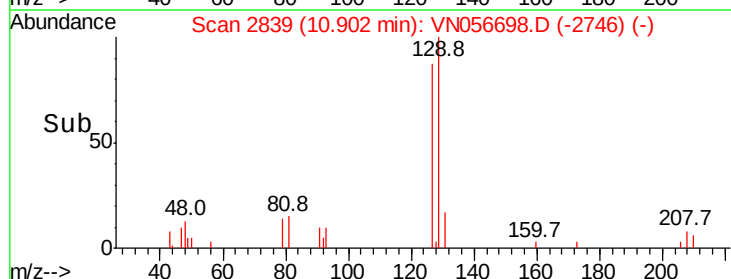
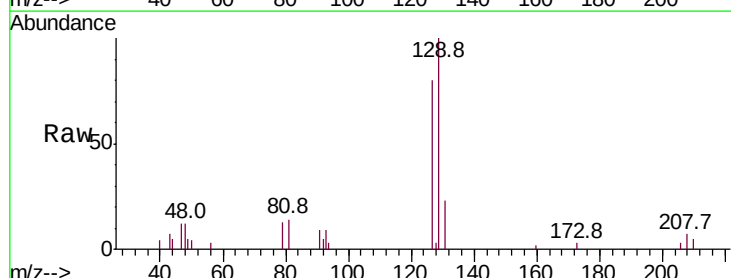
Manual Integrations
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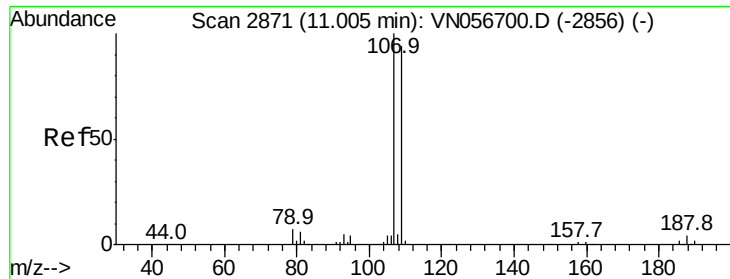
MMDadoda
7/17/2019 1:31:15 AM



#60
Dibromochloromethane
Concen: 5.129 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	129	127	Ratio	100	Lower	Upper
Resp	16001					
Ion	129	127	100	77.0	38.2	114.6





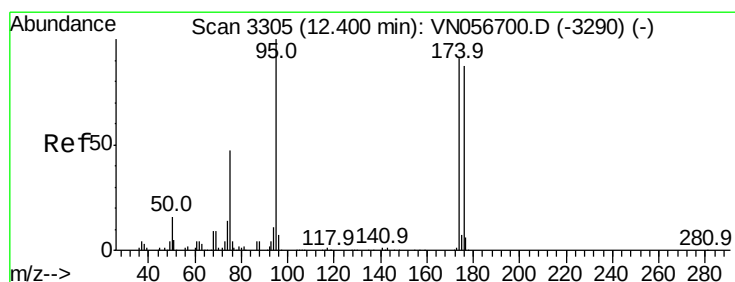
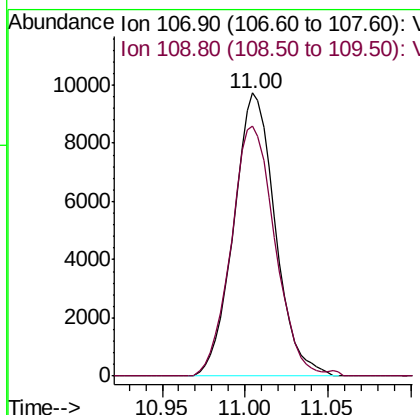
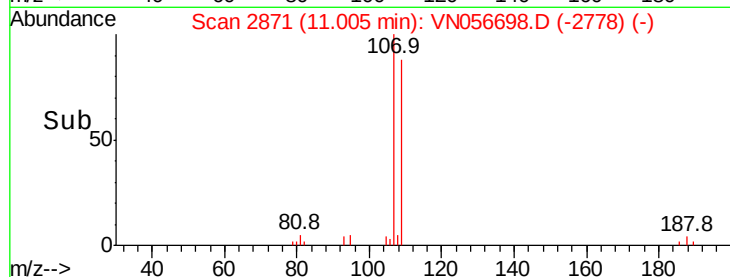
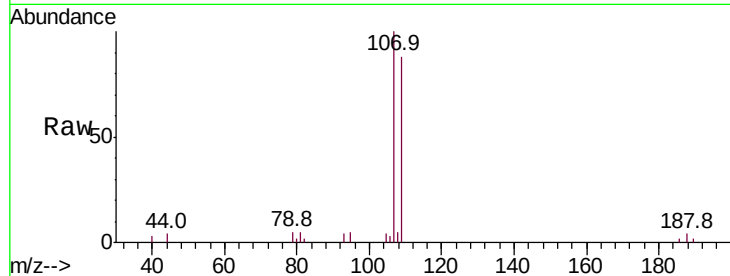
#61
 1,2-Dibromoethane
 Concen: 4.902 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.2	114.4

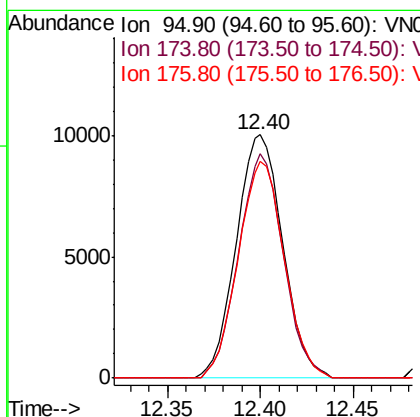
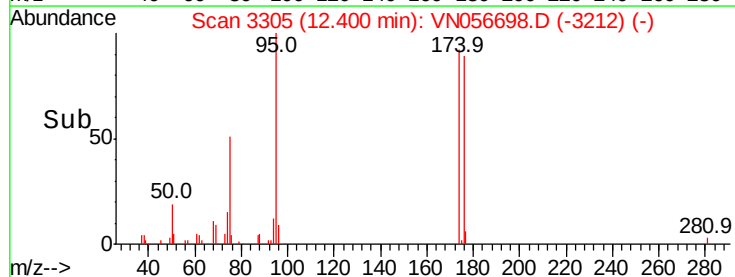
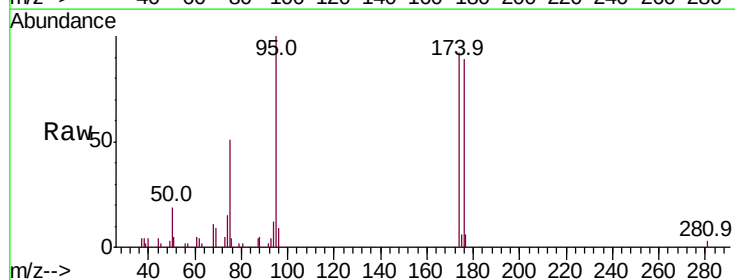
Manual Integrations
 APPROVED

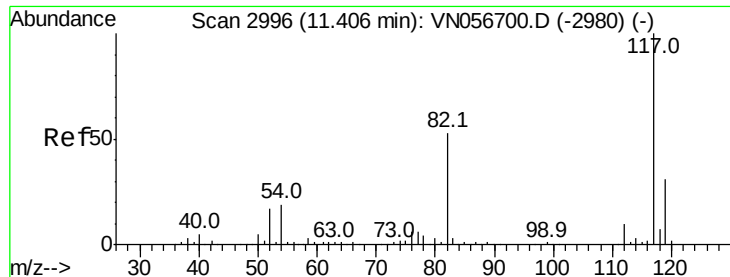
MMDadoda
 7/17/2019 1:31:15 AM



#62
 4-Bromofluorobenzene
 Concen: 4.259 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	180.0
176	88.3	0.0	173.2





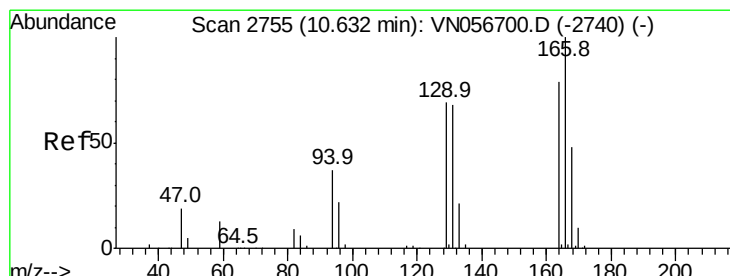
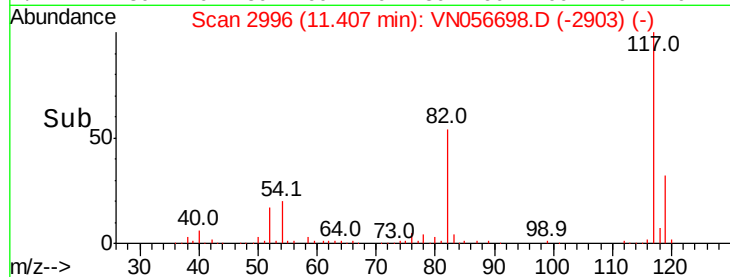
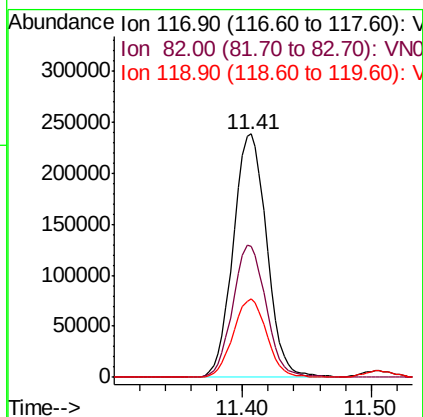
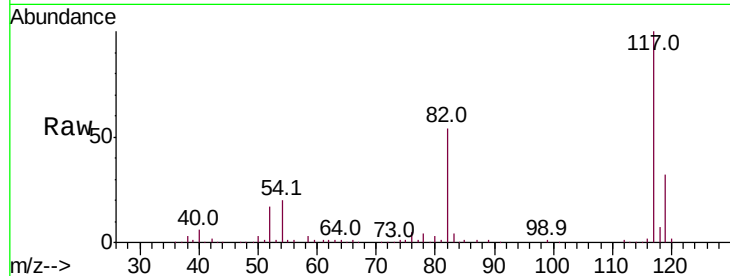
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.2
119	32.0	25.2	37.8

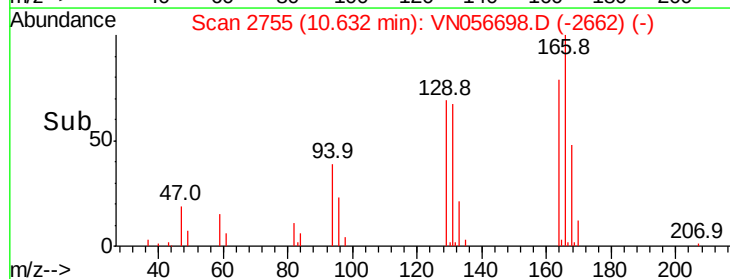
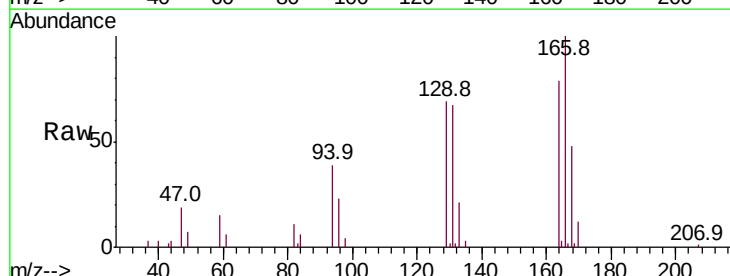
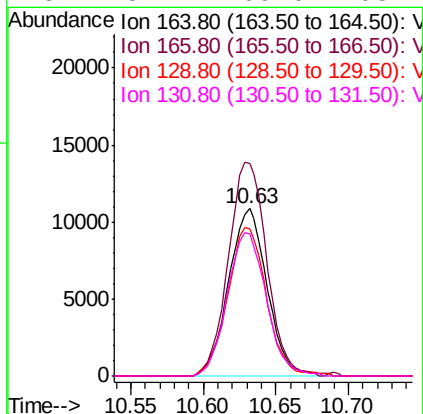
Manual Integrations
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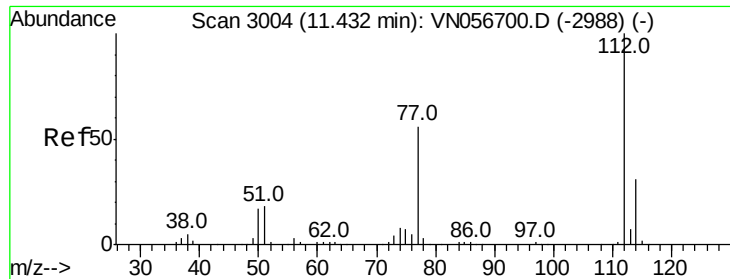
MMDadoda
7/17/2019 1:31:15 AM



#64
Tetrachloroethene
Concen: 5.804 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.4	152.2
129	87.8	69.6	104.4
131	84.7	69.0	103.4





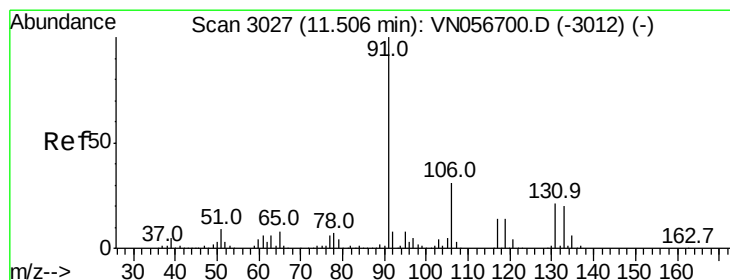
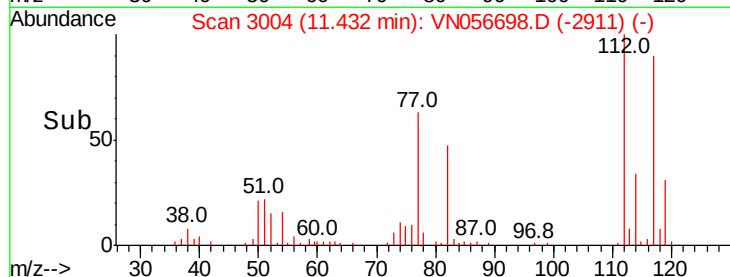
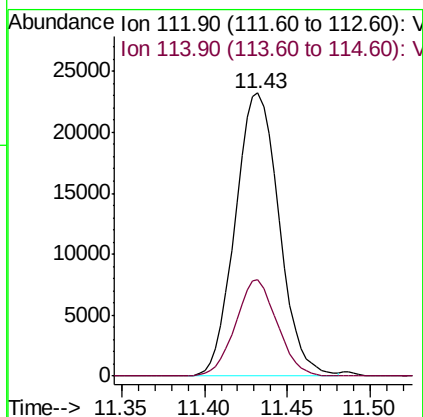
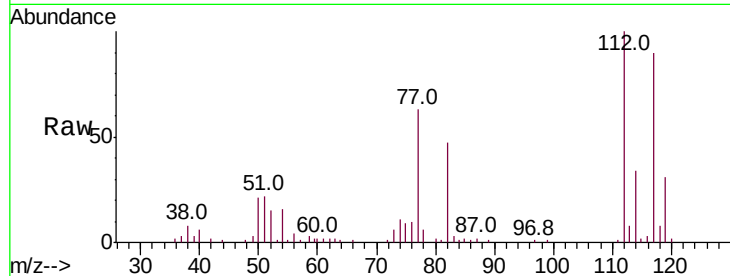
#65
Chlorobenzene
Concen: 4.917 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 42759
Ion Ratio Lower Upper
112 100
114 33.9 25.2 37.8

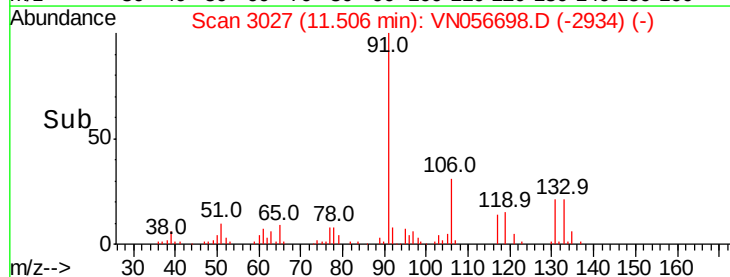
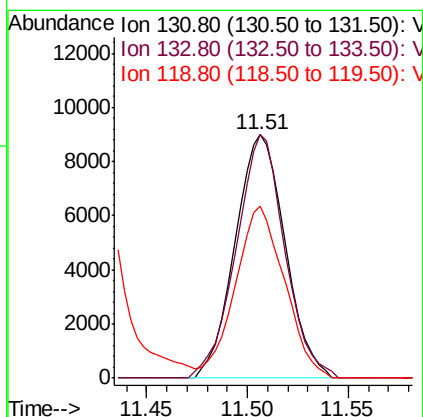
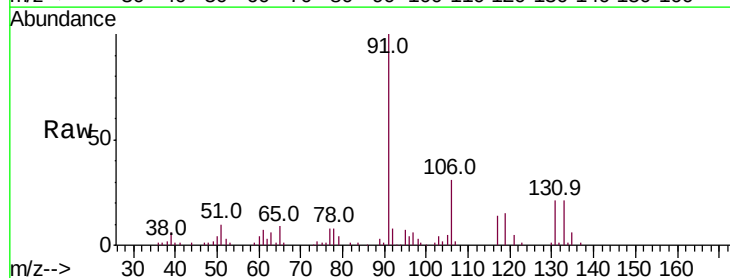
Manual Integrations
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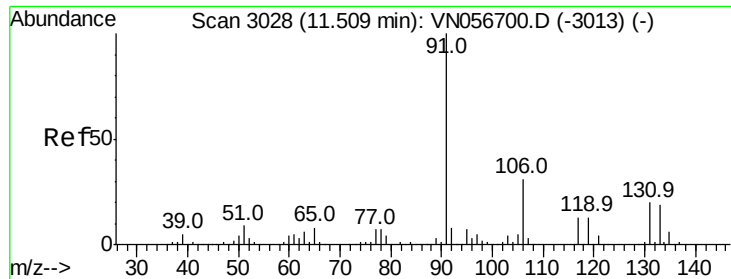
MMDadoda
7/17/2019 1:31:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.247 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:131 Resp: 15581
Ion Ratio Lower Upper
131 100
133 97.5 46.9 140.7
119 69.6 32.8 98.3





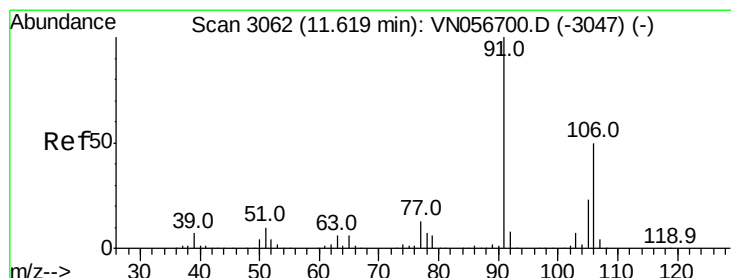
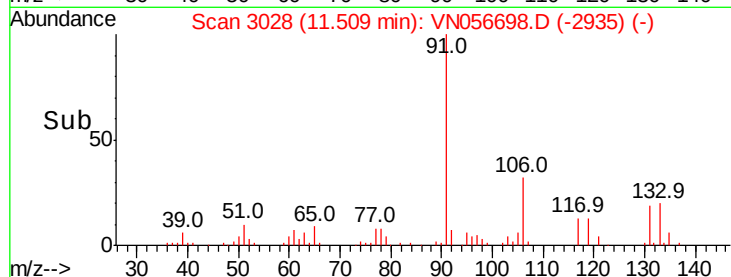
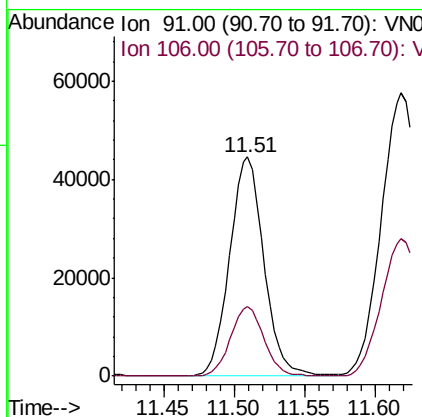
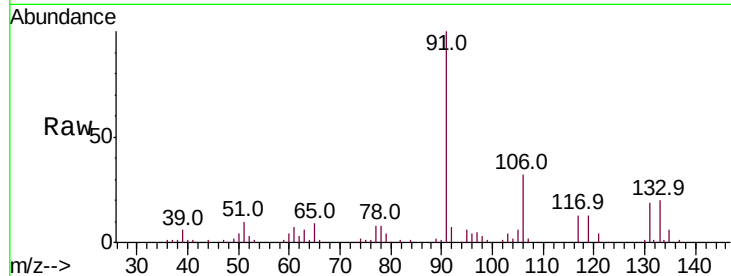
#67
Ethyl Benzene
Concen: 4.962 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 75936
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2

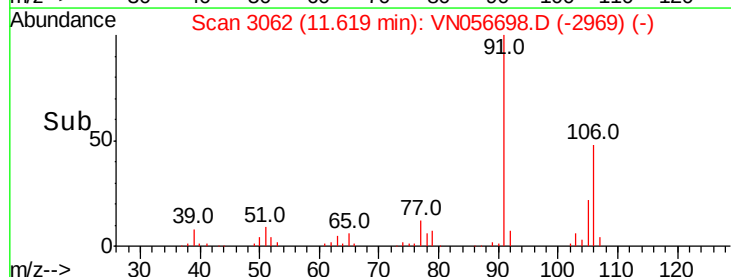
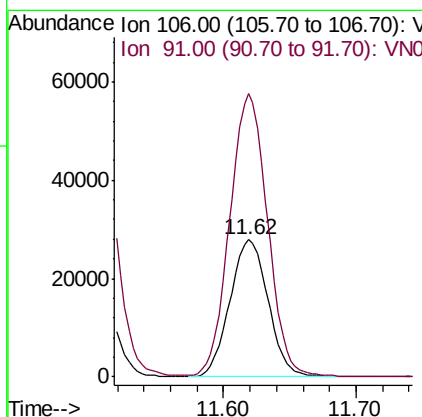
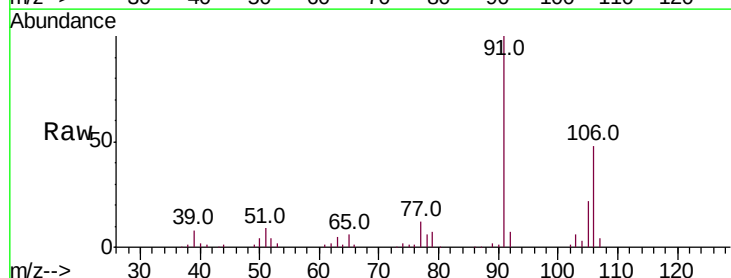
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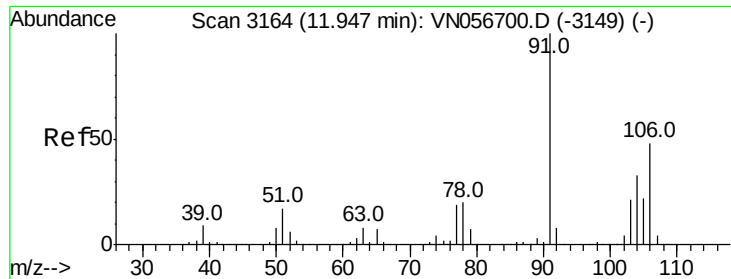
MMDadoda
7/17/2019 1:31:15 AM



#68
m/p-Xylenes
Concen: 9.964 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 106 Resp: 55920
Ion Ratio Lower Upper
106 100
91 204.4 160.5 240.7





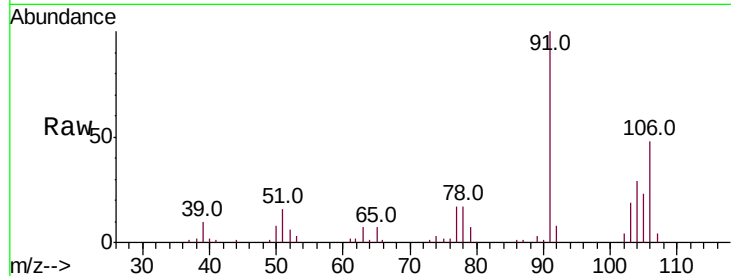
#69
o-Xylene
Concen: 5.043 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

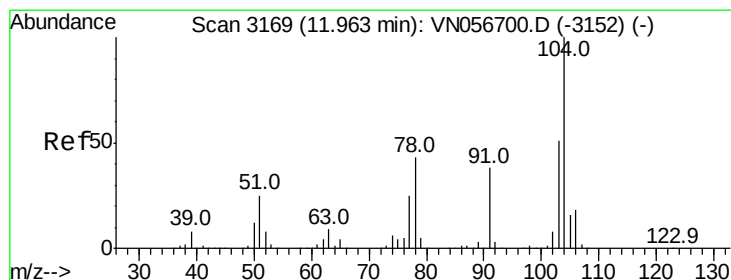
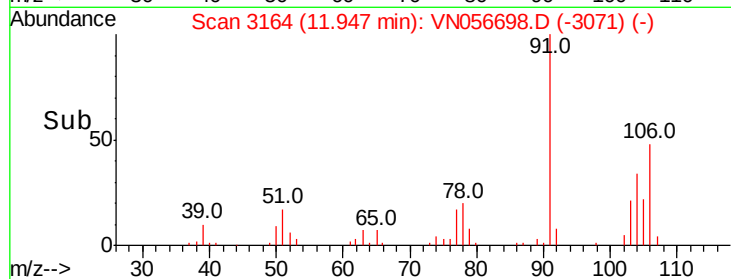
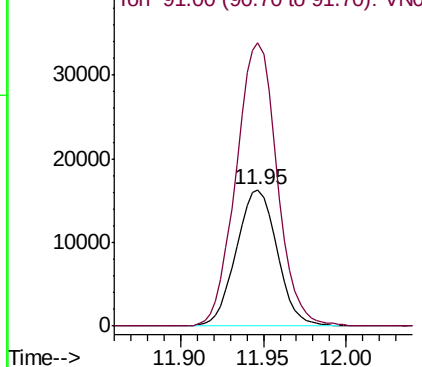
Tot Ion:106 Resp: 27997
Ion Ratio Lower Upper
106 100
91 208.2 105.6 316.8

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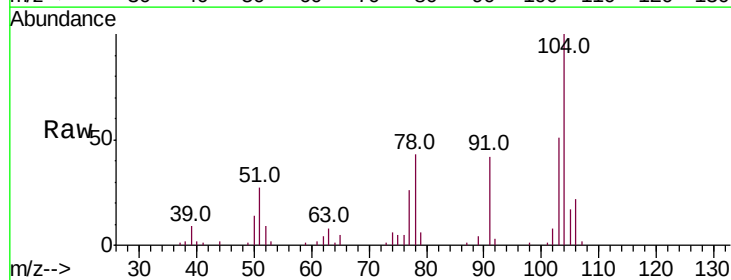


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

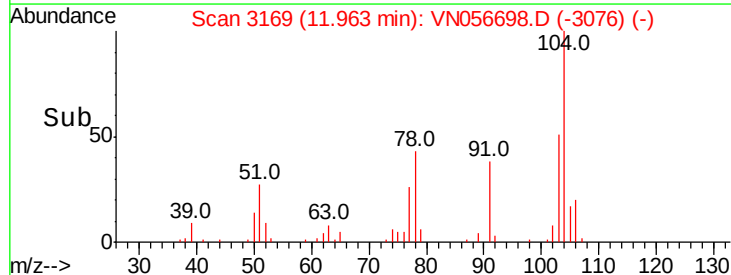
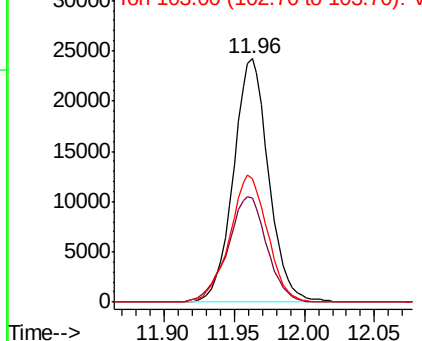


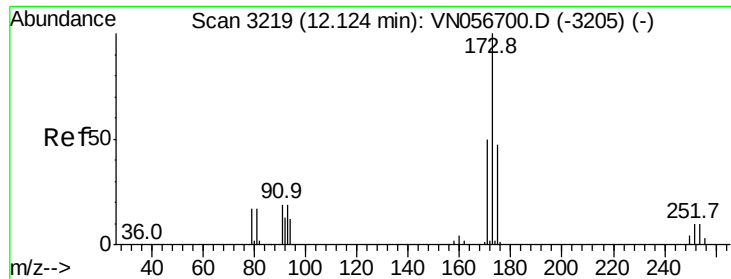
#70
Styrene
Concen: 4.765 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion:104 Resp: 42316
Ion Ratio Lower Upper
104 100
78 48.0 38.6 57.8
103 56.0 44.2 66.4



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





#71

Bromoform

Concen: 5.332 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 11227

Ion Ratio Lower Upper

173 100

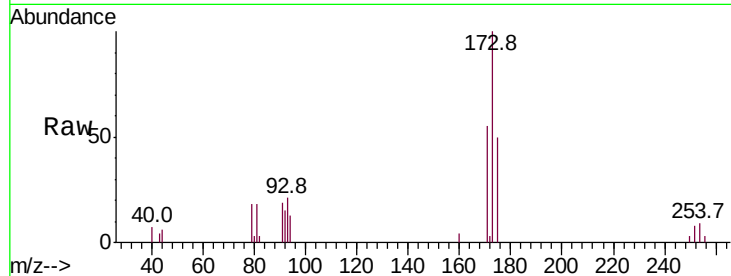
175 49.4 23.8 71.4

254 0.0 0.0 0.0

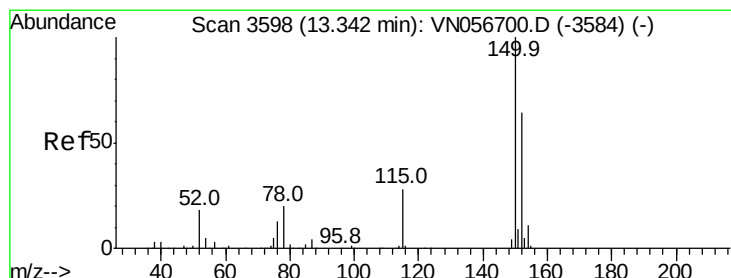
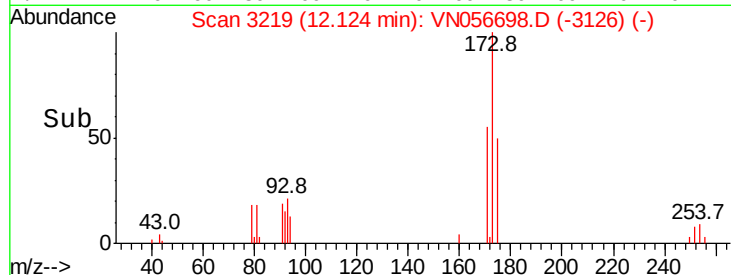
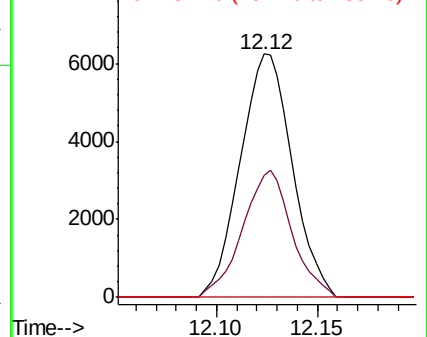
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

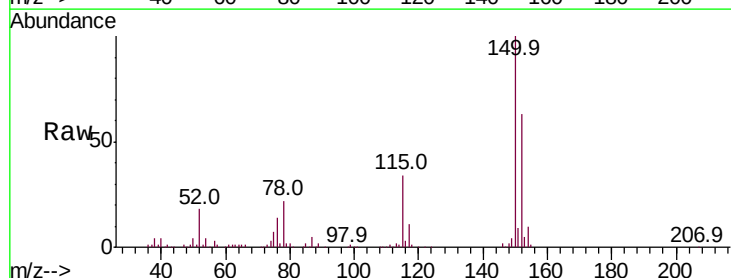
Tgt Ion:152 Resp: 162882

Ion Ratio Lower Upper

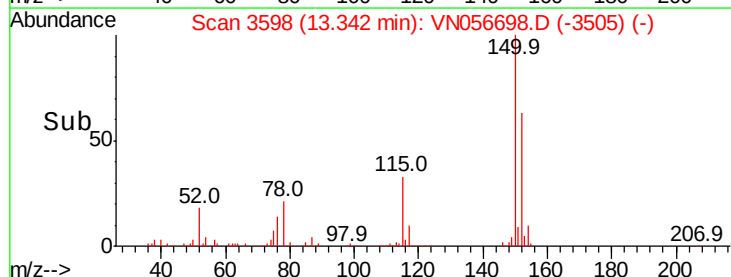
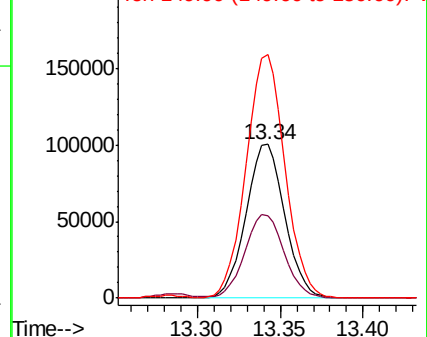
152 100

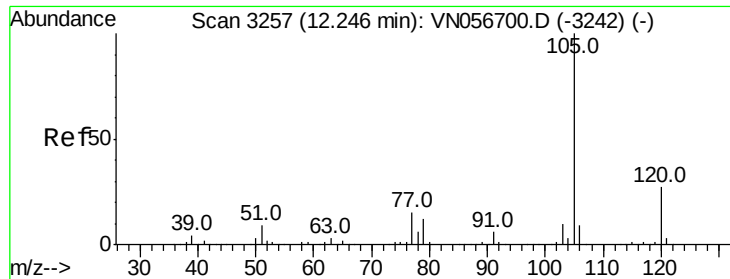
115 55.2 28.2 84.7

150 159.5 0.0 345.8



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: 4.993 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 71160

Ion Ratio Lower Upper

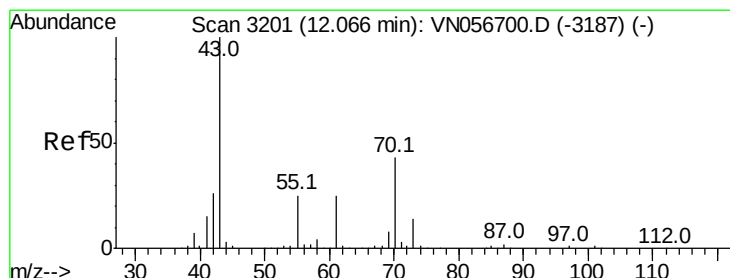
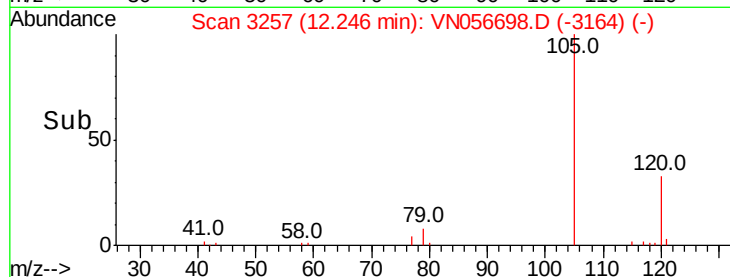
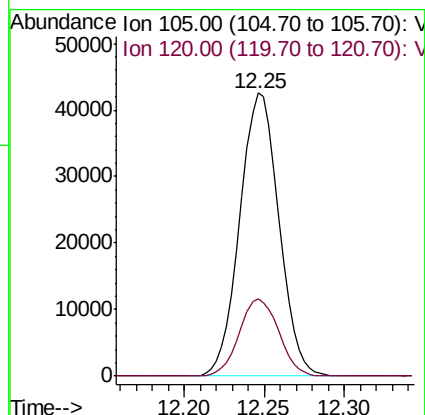
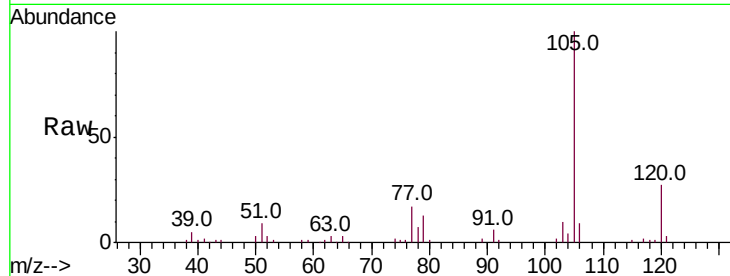
105 100

120 27.5 13.4 40.2

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#74

N-ethyl acetate

Concen: 4.646 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion: 43 Resp: 24074

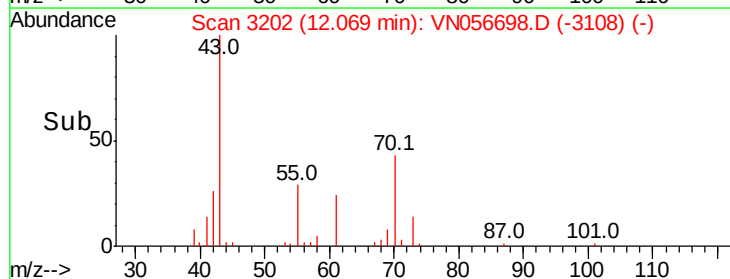
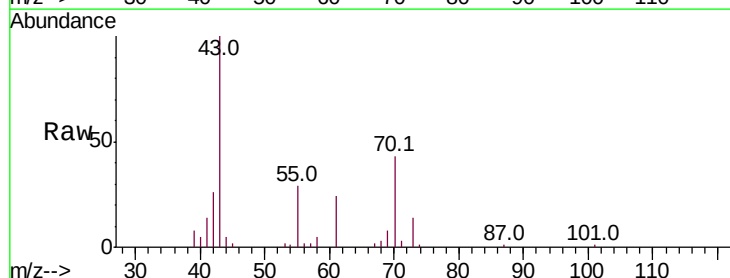
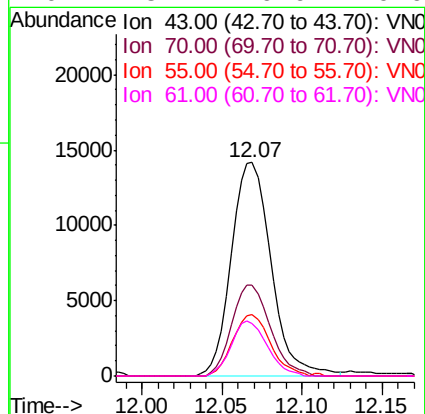
Ion Ratio Lower Upper

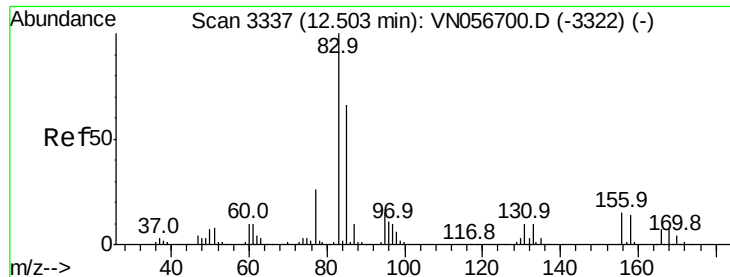
43 100

70 41.0 34.5 51.7

55 27.2 20.2 30.2

61 23.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.325 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

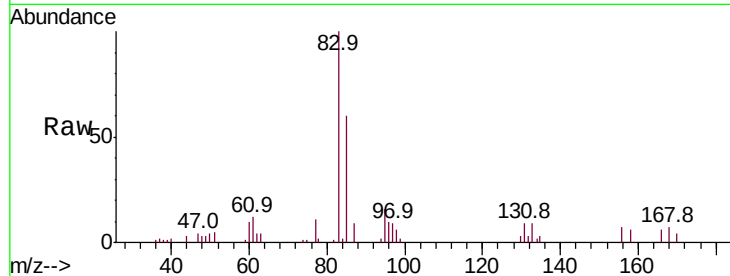
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	23771
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.3	15.8
85	64.2	32.6	97.8

Manual Integrations
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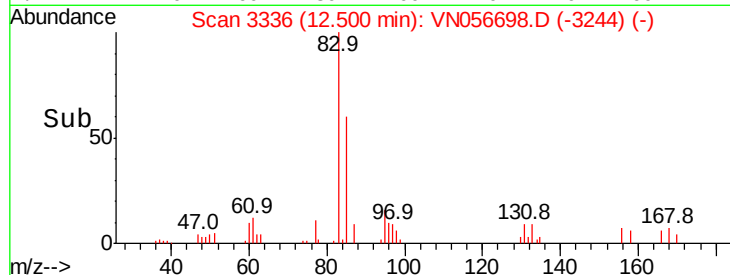


Abundance Ion 82.90 (82.60 to 83.60): VN056698.D (-3244) (-)

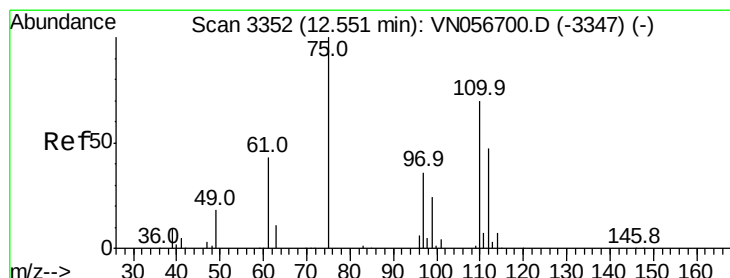
Ion 130.80 (130.50 to 131.50): VN056698.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056698.D (-3244) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 6.208 ug/l m

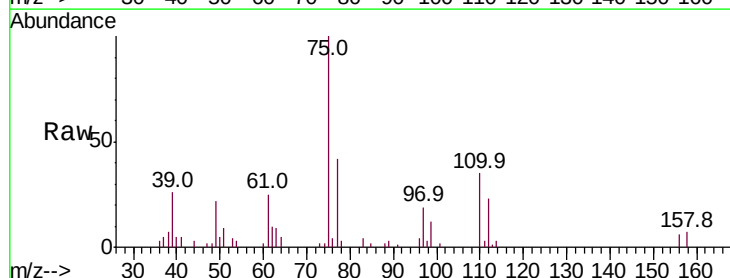
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

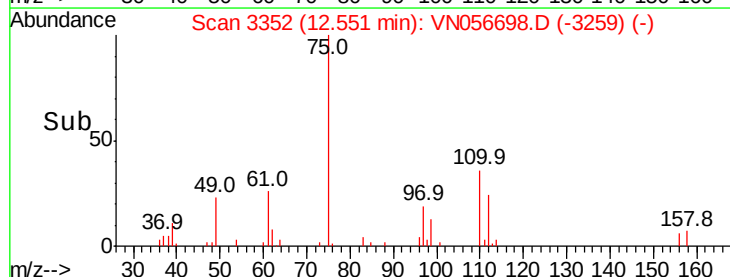
Tgt Ion:	75	Resp:	21247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056698.D (-3259) (-)

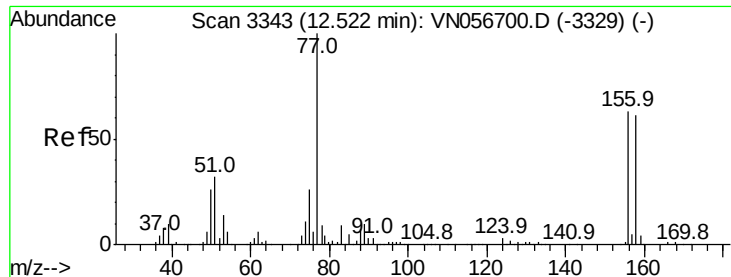
Ion 77.00 (76.70 to 77.70): VN056698.D (-3259) (-)

Time-->



Time-->

Time-->



#77

Bromobenzene

Concen: 4.928 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 17826

Ion Ratio Lower Upper

156 100

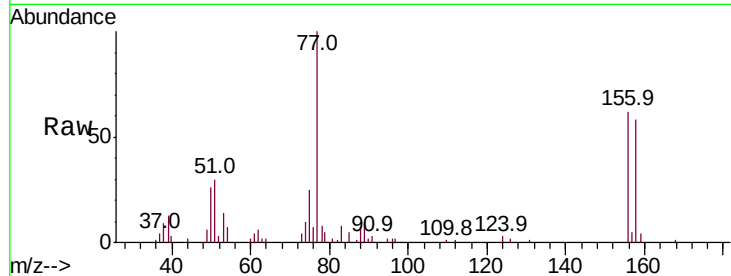
77 200.0 97.2 291.6

158 96.5 48.9 146.8

Manual Integrations
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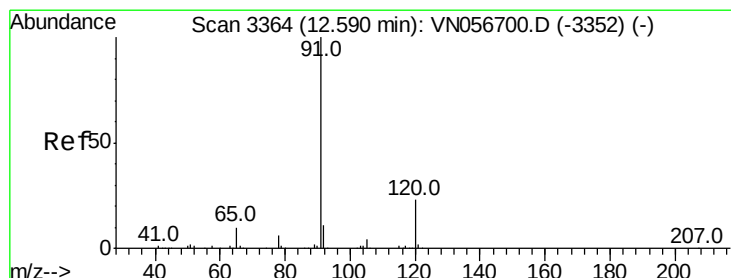
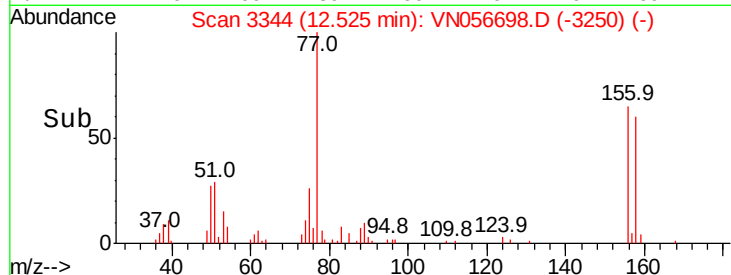
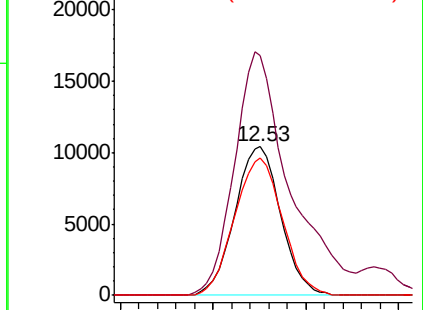
7/17/2019 1:31:15 AM



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: 5.156 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056698.D

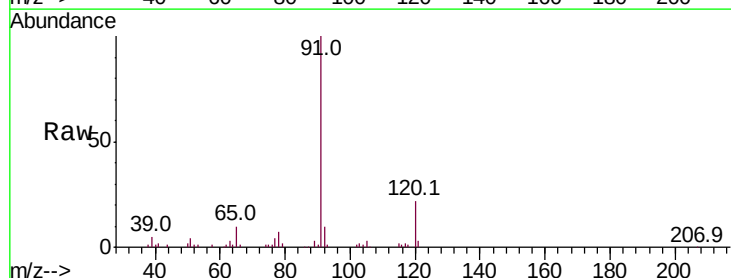
Acq: 15 Jul 2019 9:10

Tgt Ion: 91 Resp: 76799

Ion Ratio Lower Upper

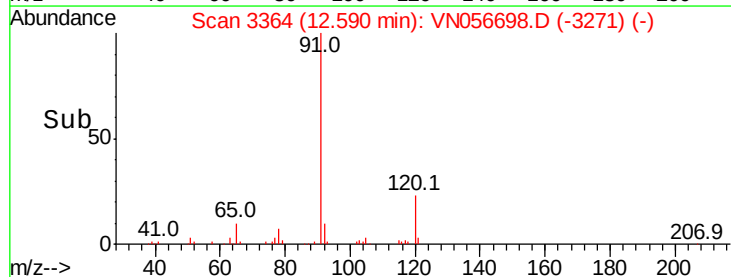
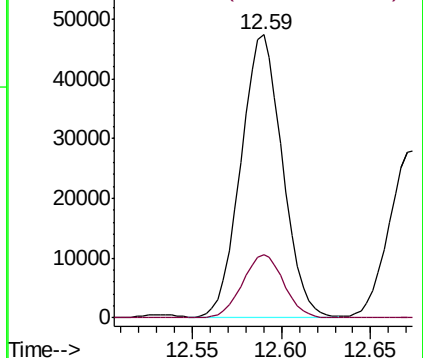
91 100

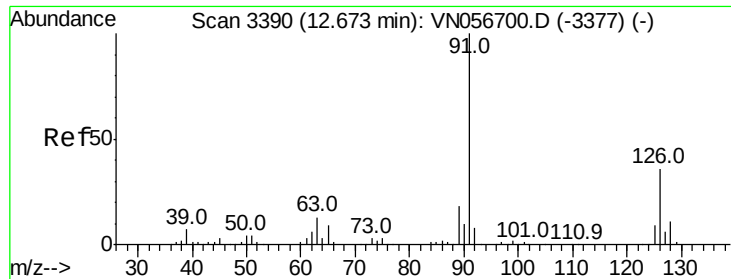
120 22.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.108 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 47844

Ion Ratio Lower Upper

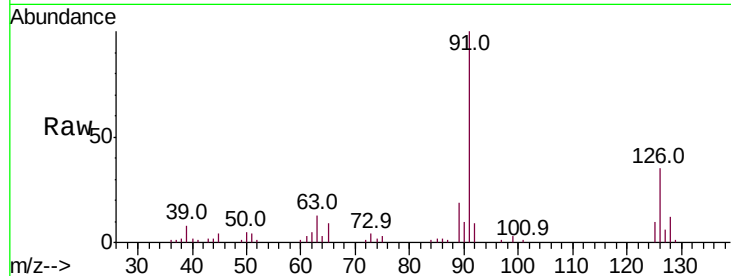
91 100

126 34.7 17.9 53.7

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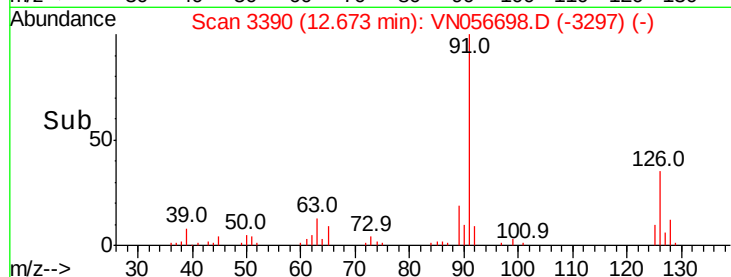
7/17/2019 1:31:15 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056698.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056698.D (-3377) (-)

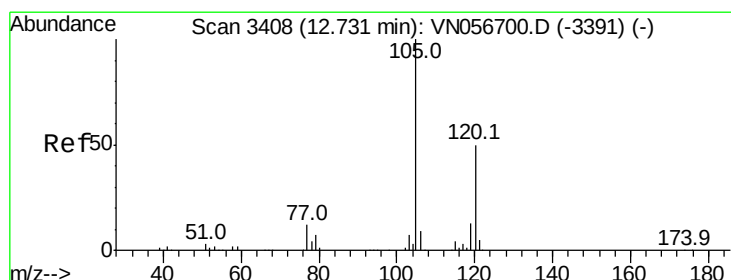
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN056698.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056698.D (-3297) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.058 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056698.D

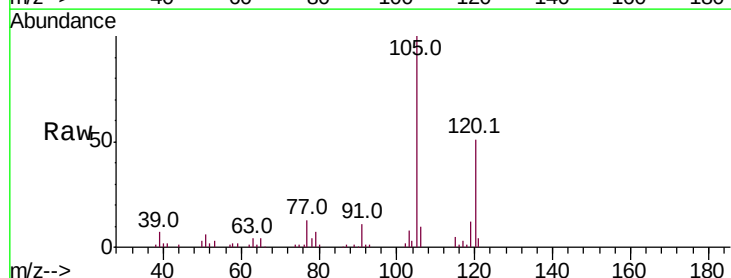
Acq: 15 Jul 2019 9:10

Tgt Ion: 105 Resp: 58946

Ion Ratio Lower Upper

105 100

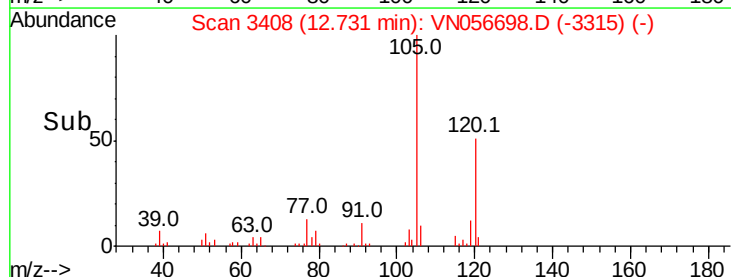
120 50.4 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056698.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056698.D (-3391) (-)

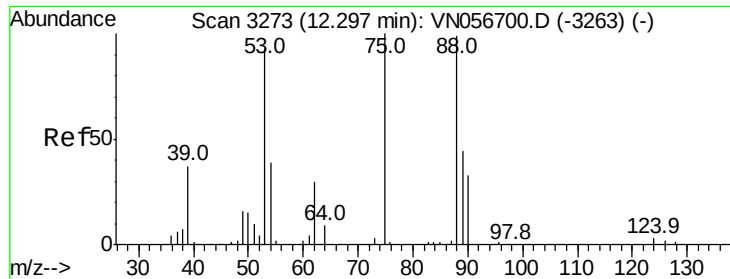
Time-->



Abundance Ion 105.00 (104.70 to 105.70): VN056698.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056698.D (-3315) (-)

Time-->



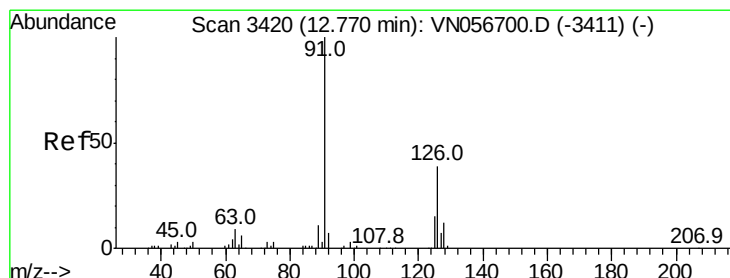
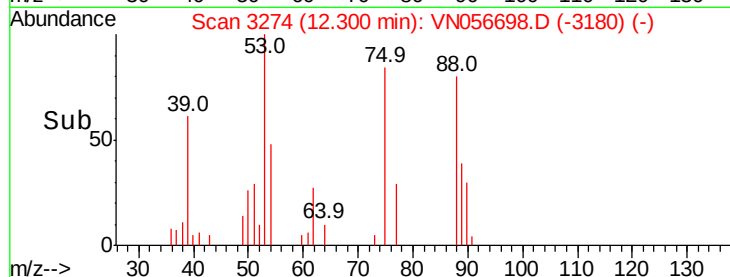
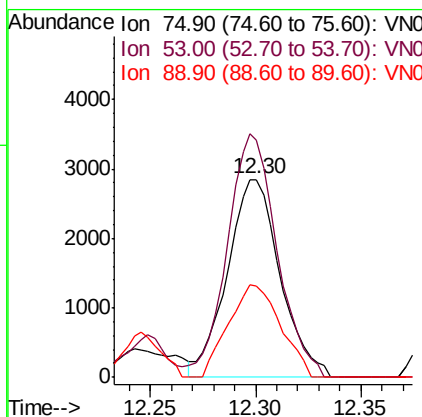
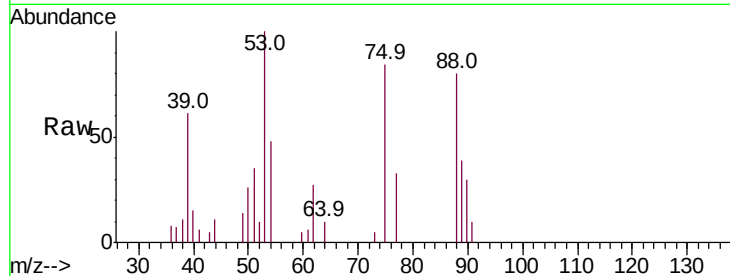
#81
trans-1,4-Dichloro-2-butene
Concen: 4.961 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 4957
Ion Ratio Lower Upper
75 100
53 115.8 73.7 110.5#
89 46.0 36.2 54.2

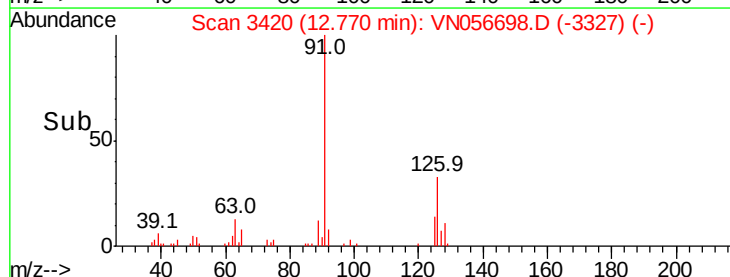
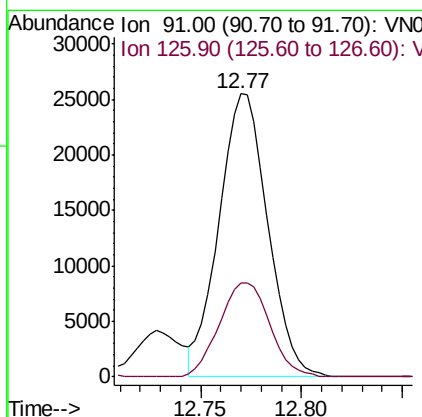
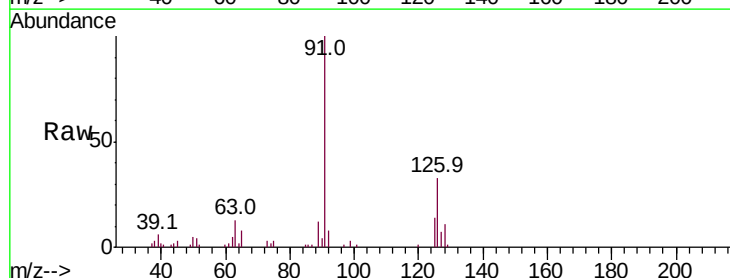
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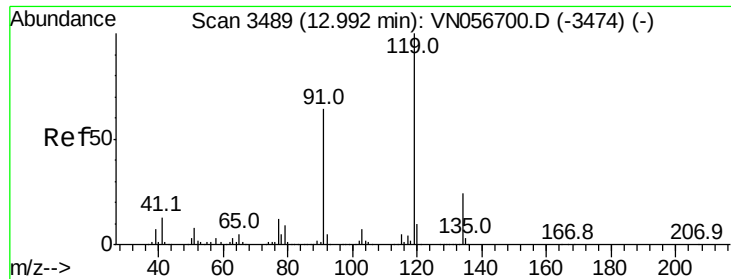
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.901 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056698.D
Acq: 15 Jul 2019 9:10

Tgt Ion: 91 Resp: 43069
Ion Ratio Lower Upper
91 100
126 34.3 17.6 52.8





#83

tert-Butylbenzene

Concen: 4.992 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

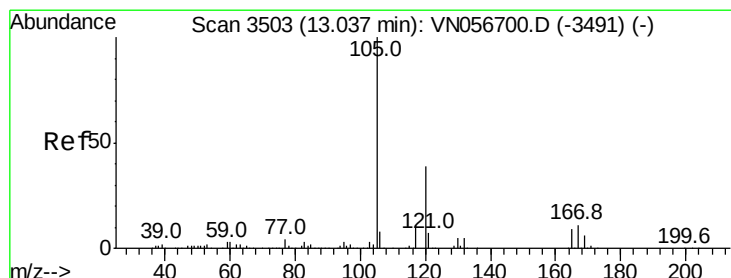
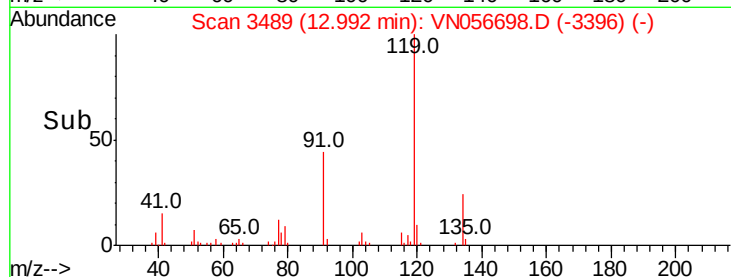
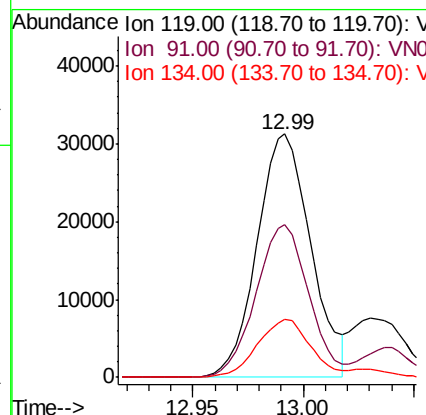
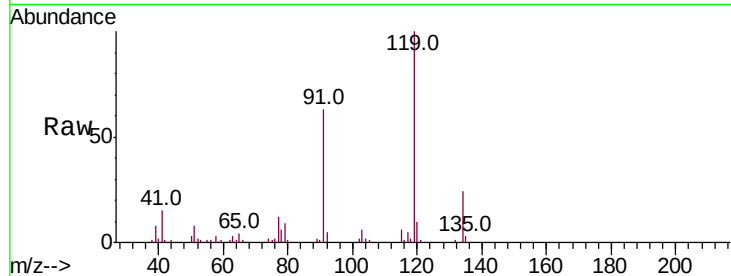
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	52899
Ion Ratio	Lower	Upper	
119	100		
91	61.4	31.8	95.4
134	23.8	13.0	38.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.210 ug/l

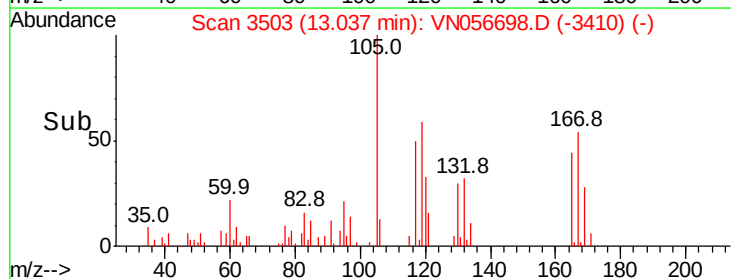
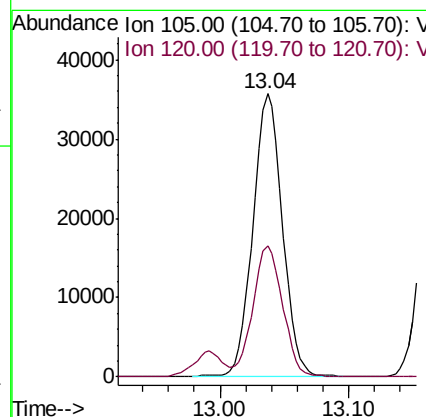
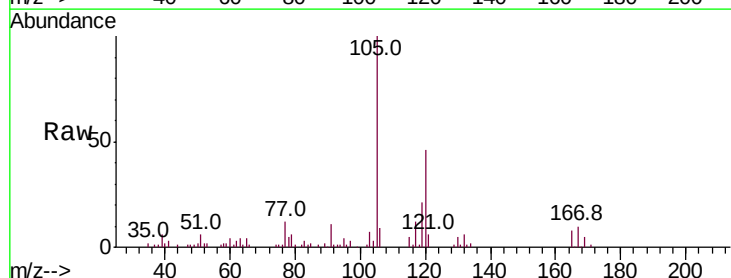
RT: 13.04 min Scan# 3503

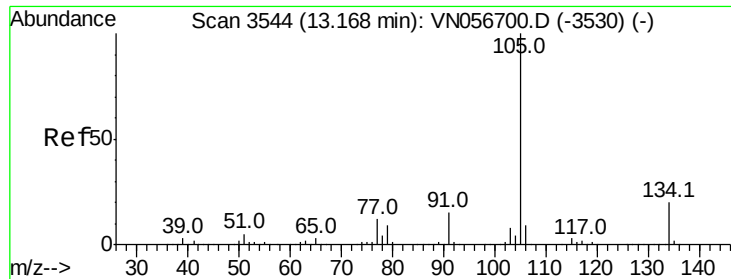
Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	105	Resp:	57120
Ion Ratio	Lower	Upper	
105	100		
120	46.7	22.9	68.8





#85

sec-Butylbenzene

Concen: 5.154 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 67207

Ion Ratio Lower Upper

105 100

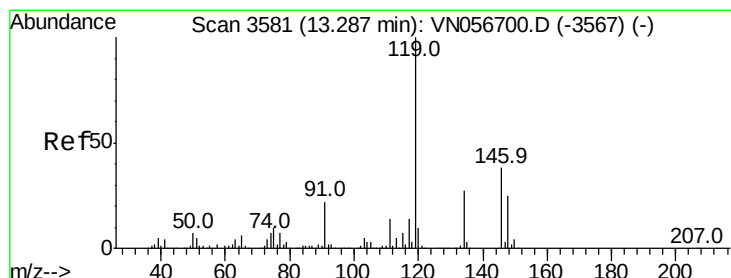
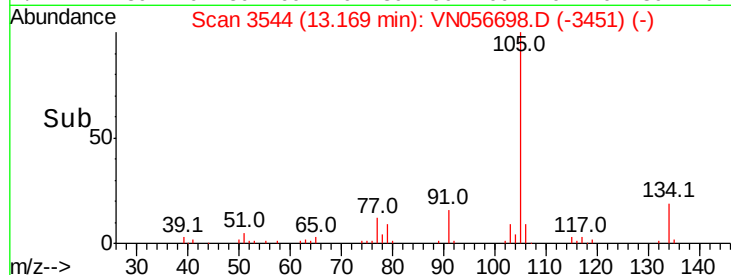
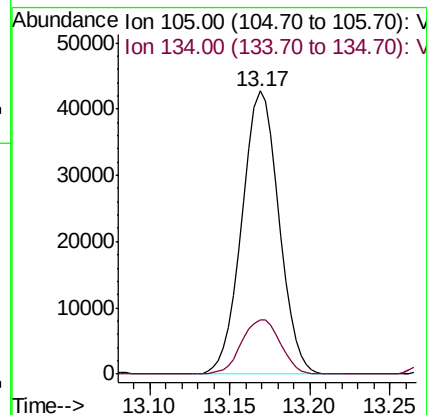
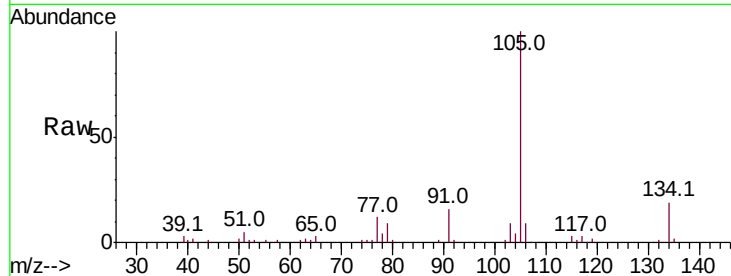
134 20.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 5.291 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

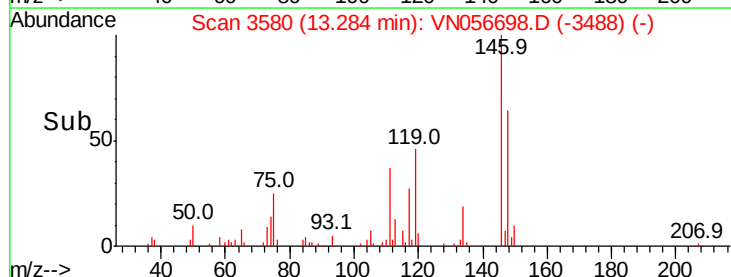
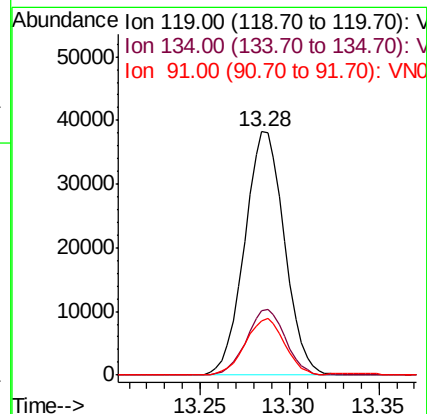
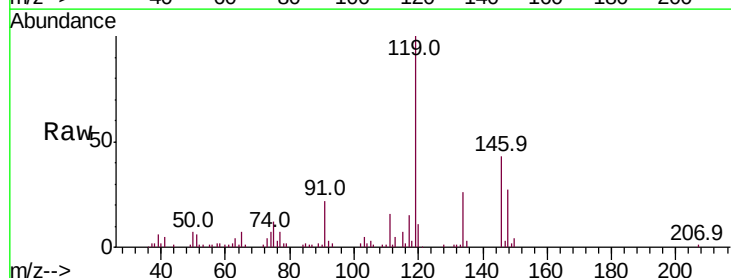
Tgt Ion:119 Resp: 59439

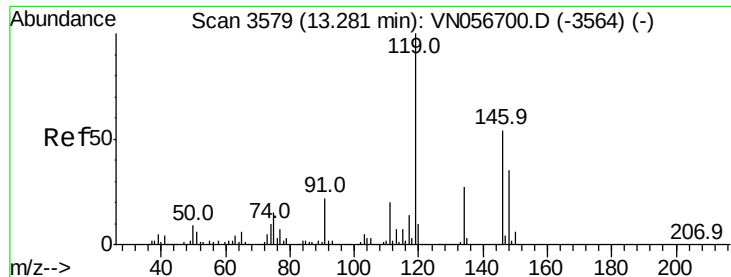
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.7

91 23.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 5.208 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

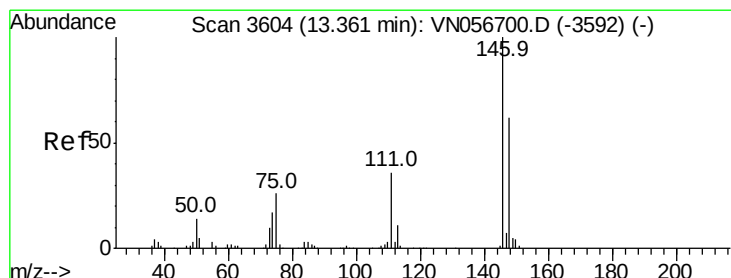
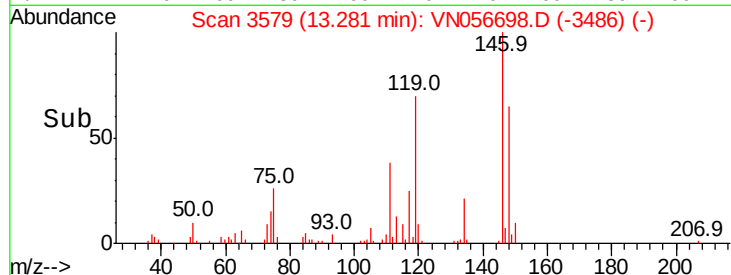
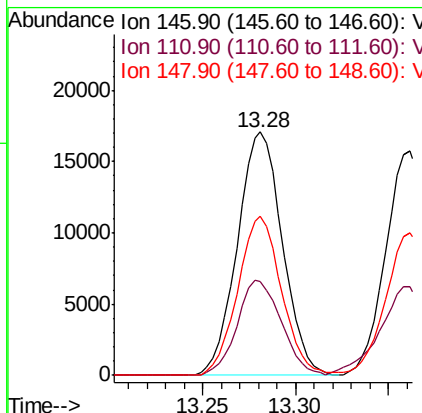
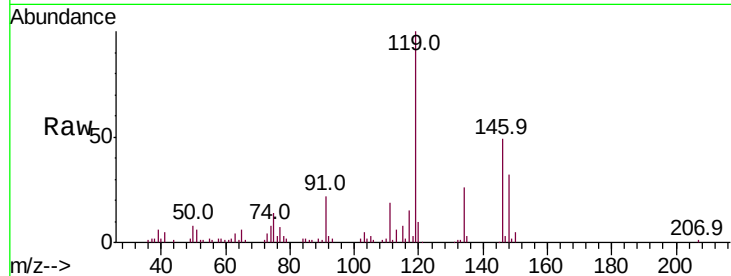
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	28742
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.8	56.3
148	63.6	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.892 ug/l

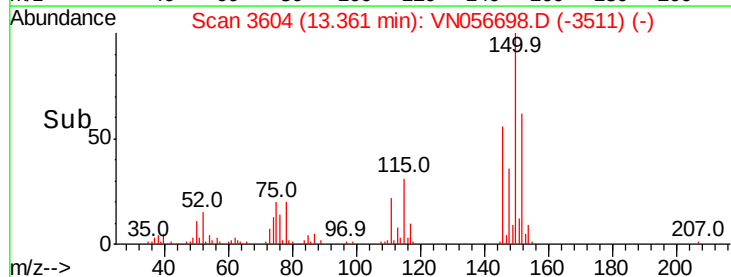
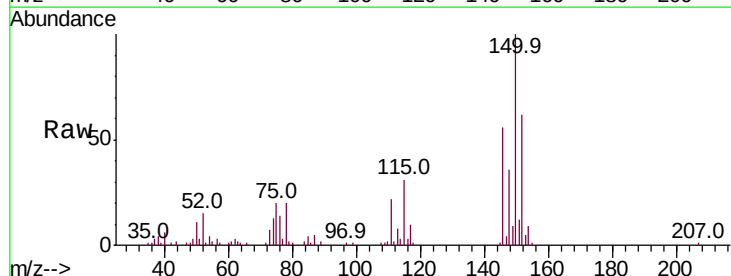
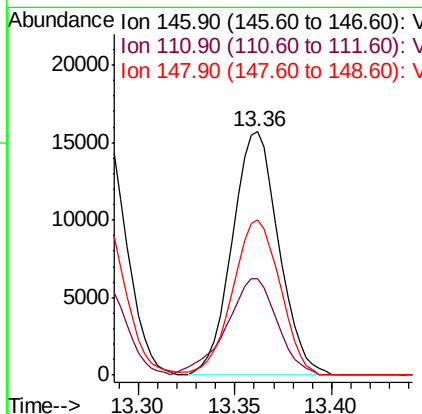
RT: 13.36 min Scan# 3604

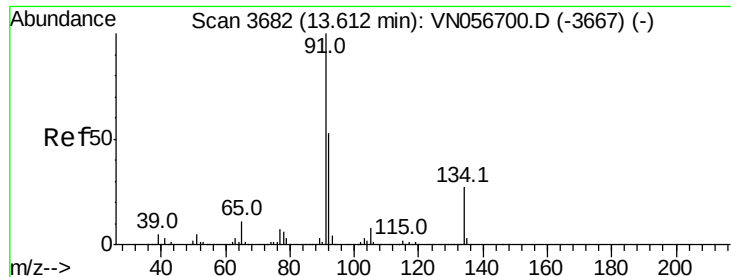
Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	146	Resp:	26254
Ion Ratio	Lower	Upper	
146	100		
111	43.5	18.6	55.8
148	65.4	31.9	95.7





#89

n-Butylbenzene

Concen: 5.086 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

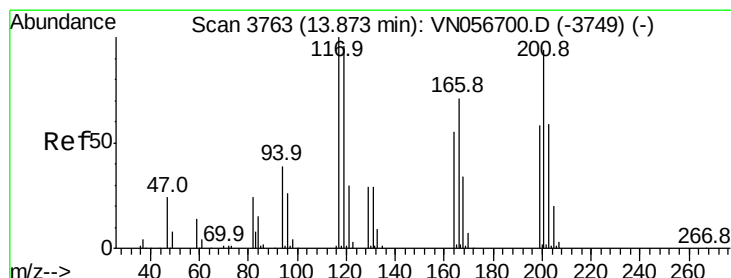
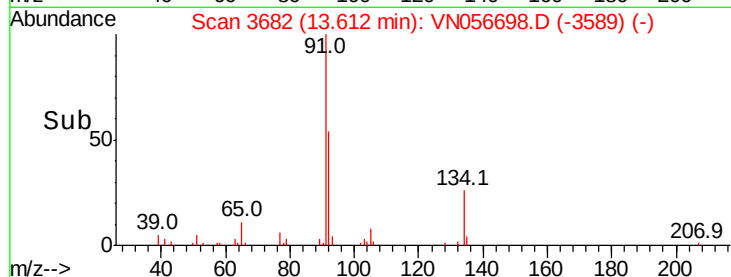
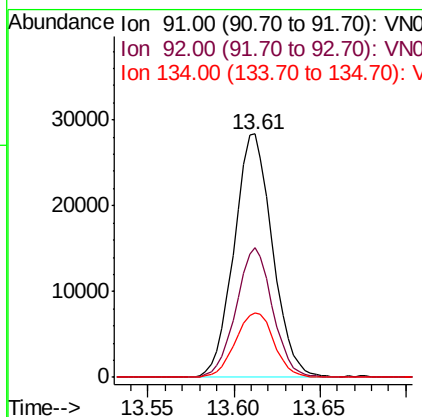
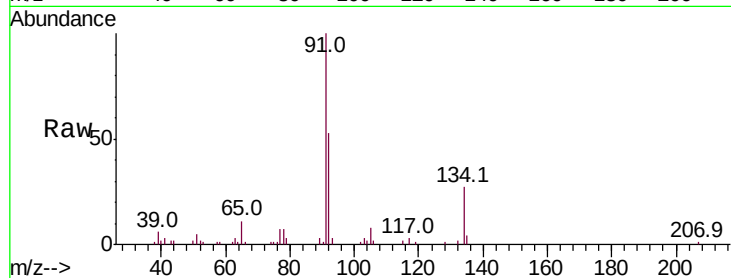
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	43937
Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.0	78.0
134	26.6	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 4.907 ug/l

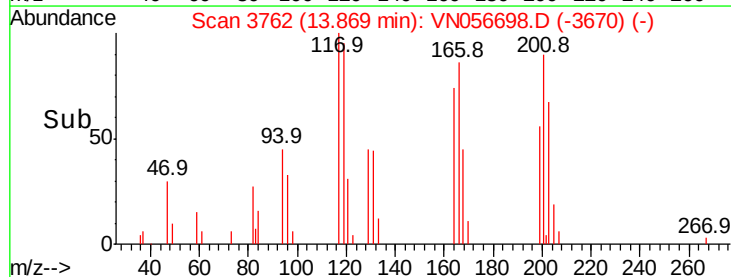
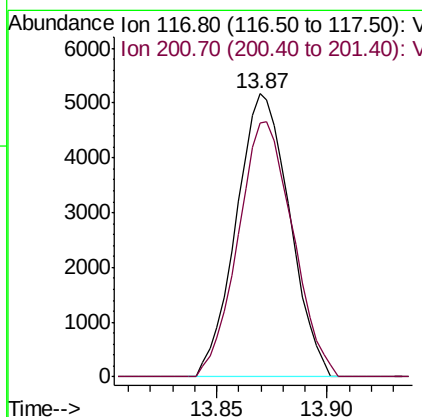
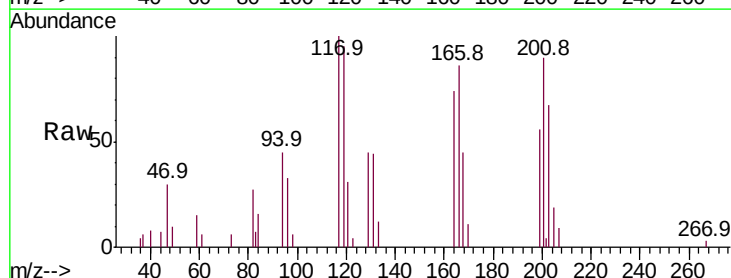
RT: 13.87 min Scan# 3762

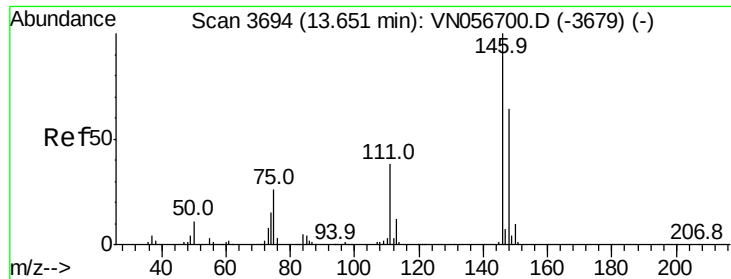
Delta R.T. -0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	117	Resp:	8662
Ion	Ratio	Lower	Upper
117	100		
201	92.5	46.5	139.5





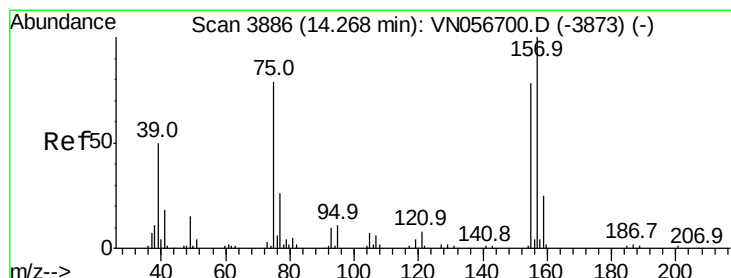
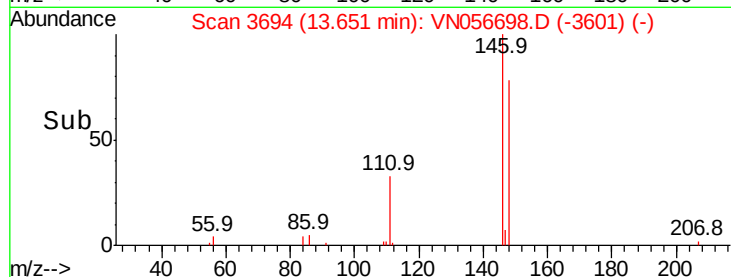
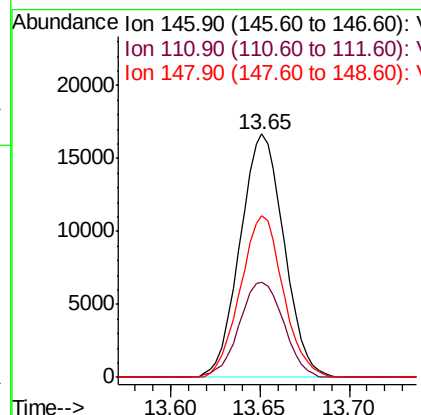
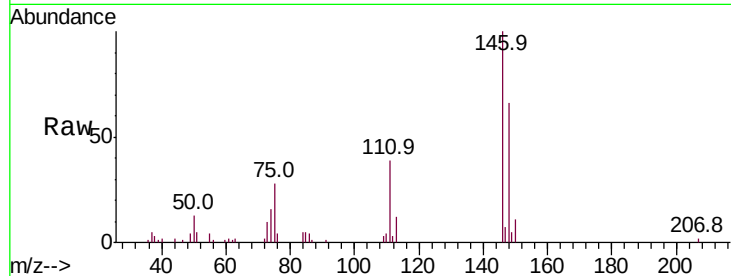
#91
 1,2-Dichlorobenzene
 Concen: 5.229 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	65.0	31.7	95.1

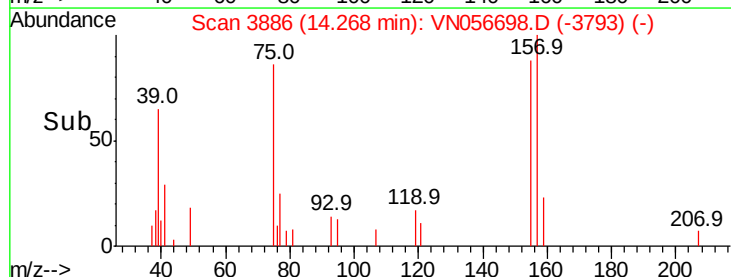
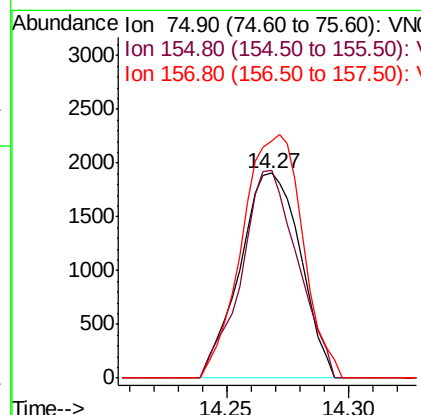
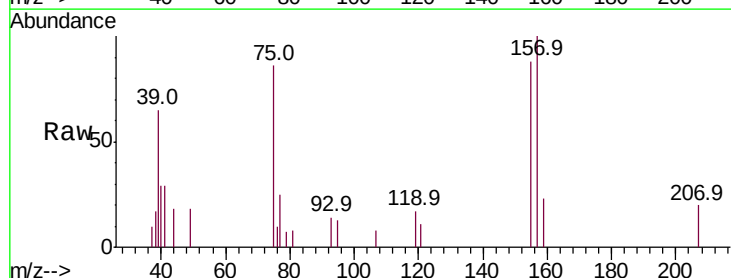
Manual Integrations
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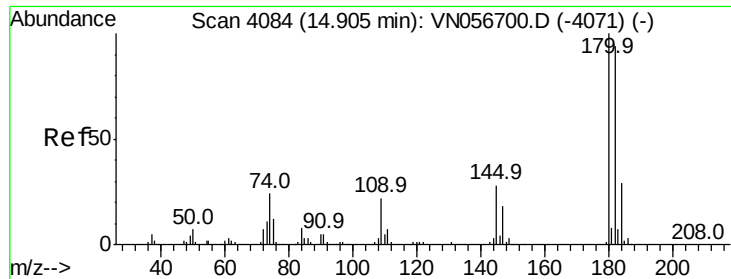
MMDadoda
 7/17/2019 1:31:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.334 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	49.3	147.9
157	118.8	62.4	187.1





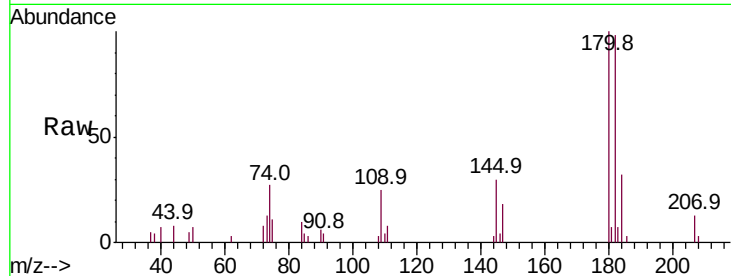
#93
 1,2,4-Trichlorobenzene
 Concen: 3.974 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

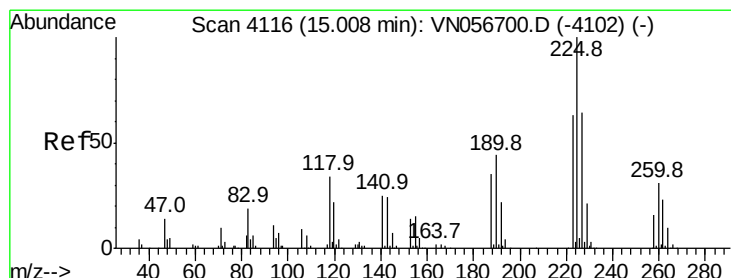
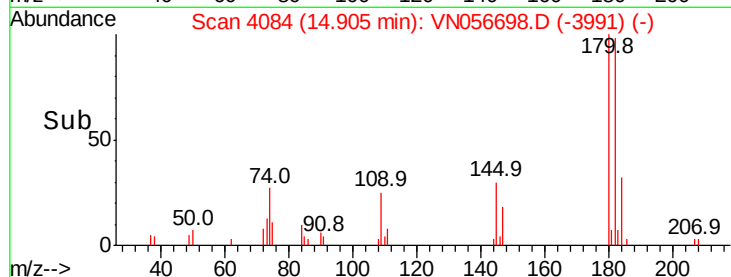
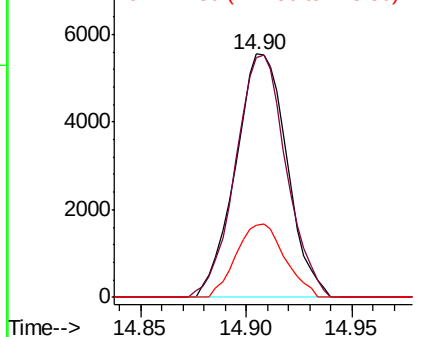
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.2	141.6
145	28.3	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:15 AM

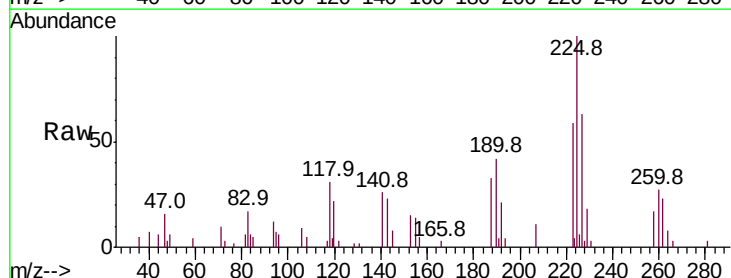


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

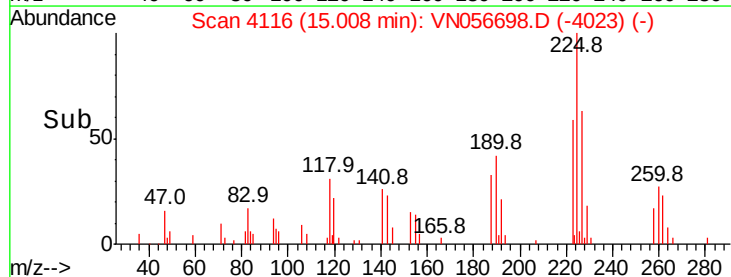
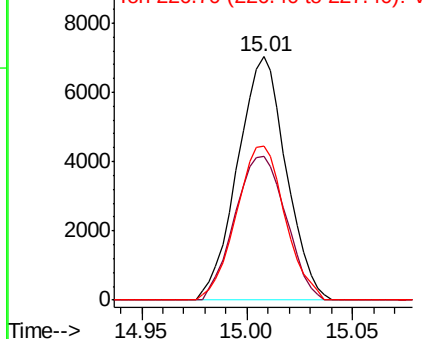


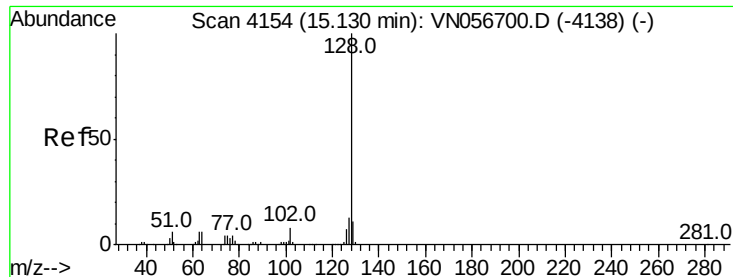
#94
 Hexachlorobutadiene
 Concen: 5.401 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056698.D
 Acq: 15 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	63.7	32.0	96.2



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





#95

Naphthalene

Concen: 3.780 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Instrument :

MSVOA_N

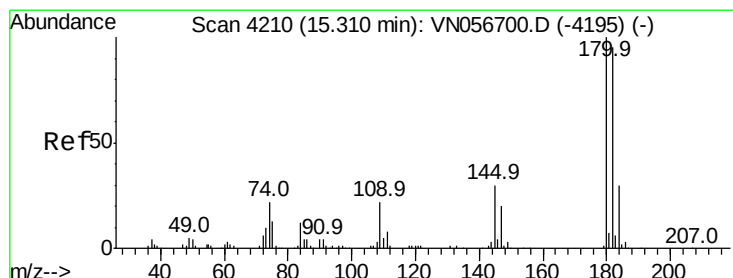
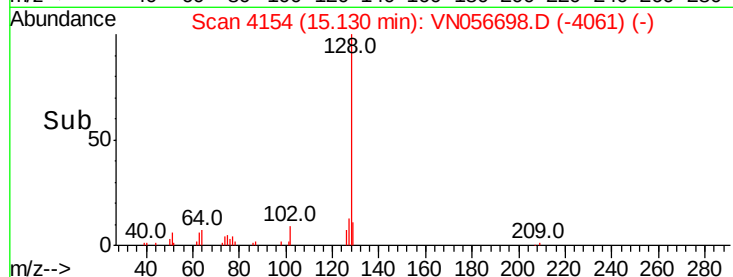
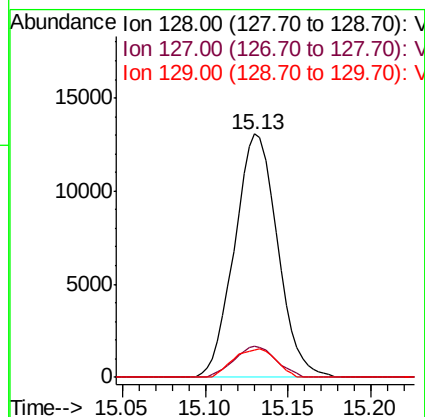
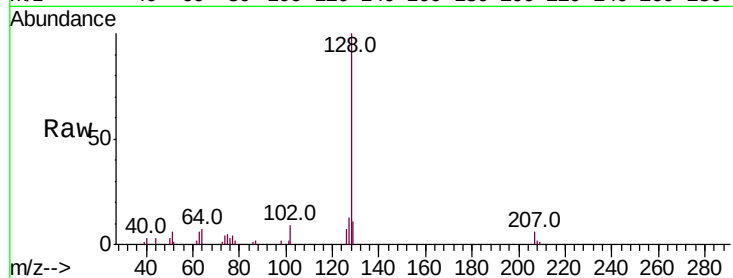
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	23622
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	11.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:31:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.389 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056698.D

Acq: 15 Jul 2019 9:10

Tgt Ion:	180	Resp:	11067
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.1	141.3
145	31.1	15.0	45.1

