

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056016.D
 Acq On : 5 Jun 2019 19:18
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample ID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 10:19:30 AM

Quant Time: Jun 06 03:41:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 03:18:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55574	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303903	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	261986	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104989	29.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.10%
60) 4-Bromofluorobenzene	12.40	95	113669	28.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.10%
63) Toluene-d8	10.09	98	365078	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66257	25.337	ug/l 100
3) Chloromethane	2.06	50	73105	20.960	ug/l 100
4) Vinyl Chloride	2.18	62	76640	21.380	ug/l 100
5) Bromomethane	2.54	94	49485	22.977	ug/l 100
6) Chloroethane	2.69	64	44483	21.343	ug/l 100
7) Trichlorofluoromethane	3.01	101	94217	20.967	ug/l 100
8) Diethyl Ether	3.40	74	39500	20.217	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57766	20.515	ug/l 100
10) 1,1-Dichloroethene	3.72	96	58282	19.933	ug/l 100
11) Methyl Iodide	3.94	142	89354	21.008	ug/l 100
12) Methyl Acetate	4.33	43	69040	19.368	ug/l 100
13) Acrolein	3.60	56	16287	37.436	ug/l 100
14) Acrylonitrile	4.99	53	154939	96.146	ug/l 100
15) Acetone	3.82	58	54756	107.438	ug/l 100
16) Carbon Disulfide	4.04	76	129424	16.160	ug/l 100
17) Allyl chloride	4.31	41	87579	17.174	ug/l 100
18) Methylene Chloride	4.54	84	67035	19.998	ug/l 100
19) trans-1,2-Dichloroethene	5.03	96	63038	20.051	ug/l 100
20) Diisopropyl ether	5.95	45	188061	18.656	ug/l 100
21) 1,1-Dichloroethane	5.85	63	108305	18.995	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	72783	19.844	ug/l 100
23) tert-Butyl Alcohol	4.82	59	58675	85.089	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	185474	18.938	ug/l 100
25) Chloroform	7.37	83	108766	19.237	ug/l 100
26) Cyclohexane	7.65	56	100487	19.040	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	81022	19.252	ug/l 100
30) 2-Butanone	6.84	43	217889	97.441	ug/l 100
31) 2,2-Dichloropropane	6.82	77	75574	16.147	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	89702	18.241	ug/l 100
33) Carbon Tetrachloride	7.77	117	74393	17.153	ug/l 100
34) Benzene	8.04	78	260640	19.914	ug/l 100
35) Methacrylonitrile	7.18	41	40640	19.503	ug/l 100
36) 1,2-Dichloroethane	8.12	62	81067	19.153	ug/l 100
37) Trichloroethene	8.83	130	73610	20.098	ug/l 100
38) Methylcyclohexane	9.08	83	100577	18.869	ug/l 100
39) 1,2-Dichloropropane	9.12	63	67231	19.271	ug/l 100
40) Dibromomethane	9.21	93	44079	19.447	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	76549	17.031	ug/l	100
42) Vinyl Acetate	5.90	43	761051	89.260	ug/l	100
43) Ethyl Acetate	6.93	43	82384	18.885	ug/l	100
44) Isopropyl Acetate	8.17	43	122812	17.228	ug/l	100
45) 1,4-Dioxane	9.21	88	27378	395.823	ug/l	100
46) Methyl methacrylate	9.20	41	58974	17.677	ug/l	100
47) n-amyl Acetate	12.07	43	100458	17.093	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	77209	15.736	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	94217	17.280	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	65243	19.770	ug/l	100
51) Ethyl methacrylate	10.43	69	95106	18.200	ug/l	100
52) 1,3-Dichloropropane	10.71	76	106545	19.654	ug/l	100
53) Dibromochloromethane	10.90	129	58826	15.763	ug/l	100
54) 1,2-Dibromoethane	11.00	107	66912	19.596	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	161265	80.851	ug/l	100
56) Bromoform	12.13	173	40497	13.606	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	397368	93.832	ug/l	100
59) 2-Hexanone	10.75	43	283625	93.511	ug/l	100
61) Tetrachloroethene	10.63	164	75105	21.113	ug/l	100
62) Toluene	10.16	91	284859	20.274	ug/l	100
64) Chlorobenzene	11.43	112	170664	20.040	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	60872	18.177	ug/l	100
66) Ethyl Benzene	11.51	91	302331	19.795	ug/l	100
67) m/p-Xylenes	11.62	106	231018	39.788	ug/l	100
68) o-Xylene	11.95	106	113580	19.816	ug/l	100
69) Styrene	11.96	104	178816	18.971	ug/l	100
70) Isopropylbenzene	12.25	105	296670	19.767	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	90206	19.628	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	76580m	19.468	ug/l	100
73) Bromobenzene	12.53	156	76856	19.364	ug/l	100
74) n-propylbenzene	12.59	91	302298	18.816	ug/l	100
75) 2-Chlorotoluene	12.67	91	190169	19.335	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	241775	19.551	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	18843	12.818	ug/l	100
78) 4-Chlorotoluene	12.77	91	171074	18.430	ug/l	100
79) tert-butylbenzene	12.99	119	213313	19.652	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	231911	18.973	ug/l	100
81) sec-Butylbenzene	13.17	105	268114	19.422	ug/l	100
82) p-Isopropyltoluene	13.29	119	238776	18.881	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115189	18.622	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	105181	17.918	ug/l	100
85) n-Butylbenzene	13.61	91	163325	16.809	ug/l	100
86) Hexachloroethane	13.87	117	35523	14.994	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	117984	18.941	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12395	14.972	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	47323	14.362	ug/l	100
90) Hexachlorobutadiene	15.01	225	43833	17.782	ug/l	100
91) Naphthalene	15.13	128	130352	14.526	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	54579	15.815	ug/l	100

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ClientSampleId :
VSTDICCC020

Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 03:18:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

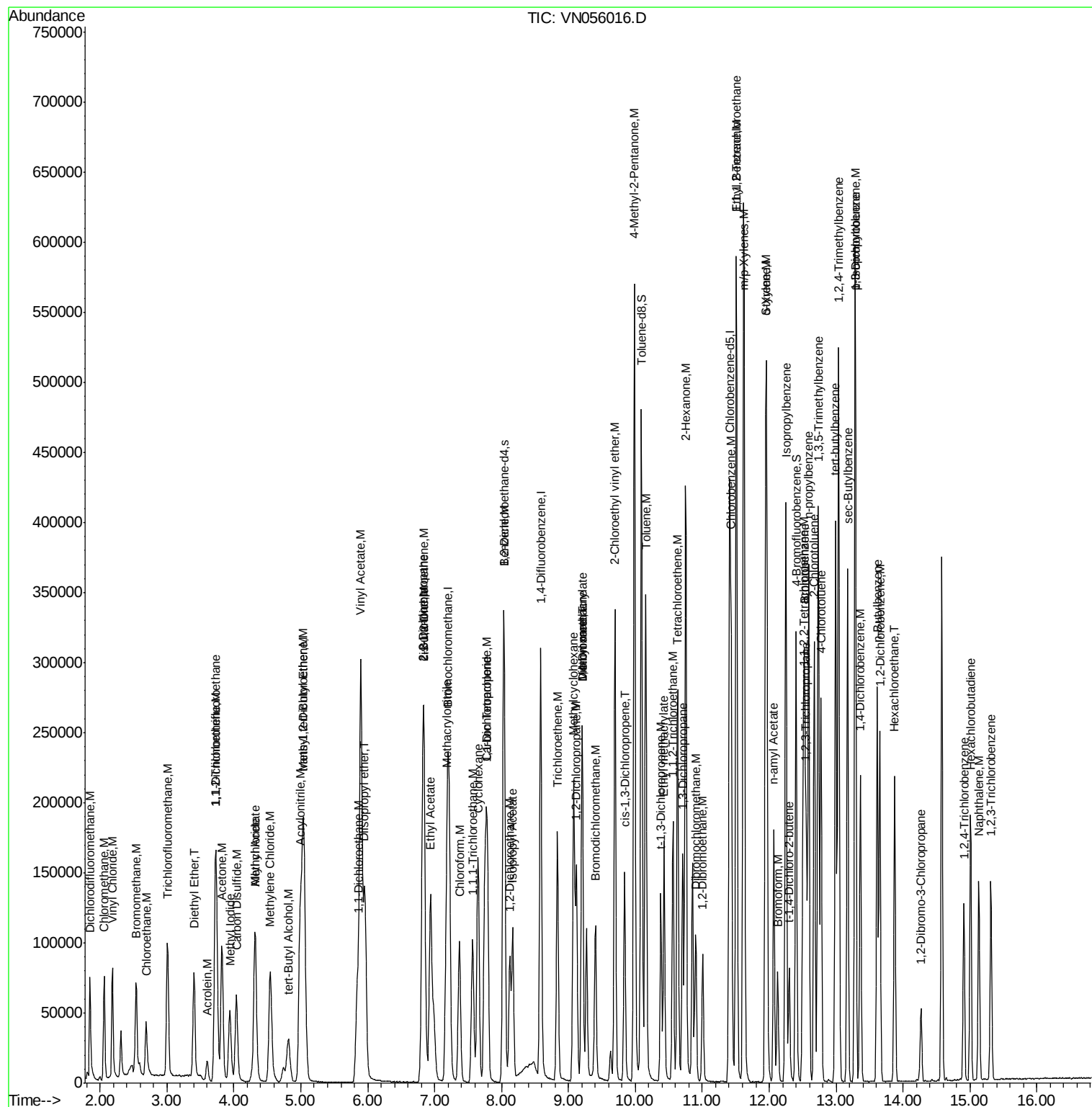
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
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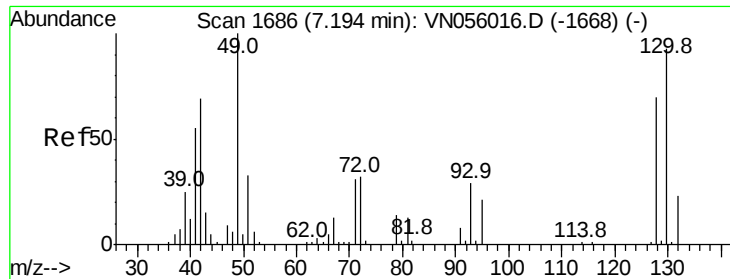
Instrument :
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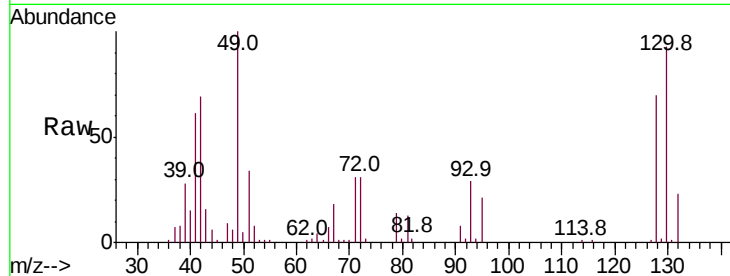
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	142.3	0.0	355.8
130	130.5	0.0	326.3

Manual Integrations
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 6/6/2019 10:19:30 AM

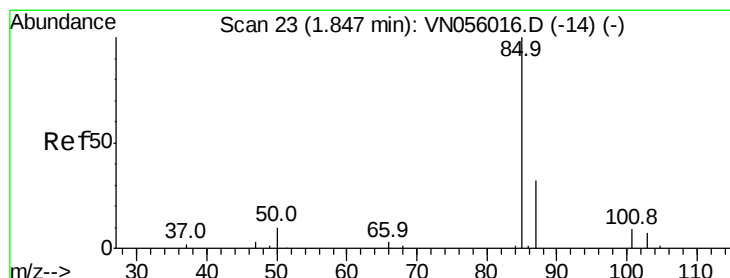
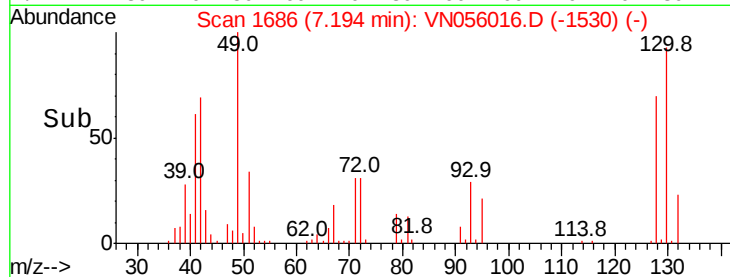
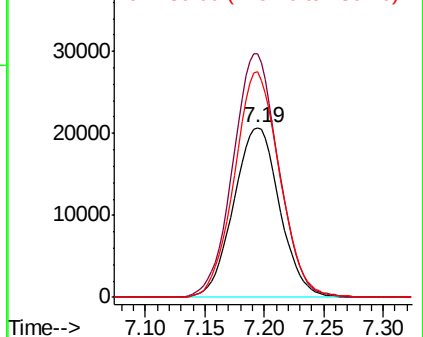


Abundance

Ion 128.00 (127.70 to 128.70): V

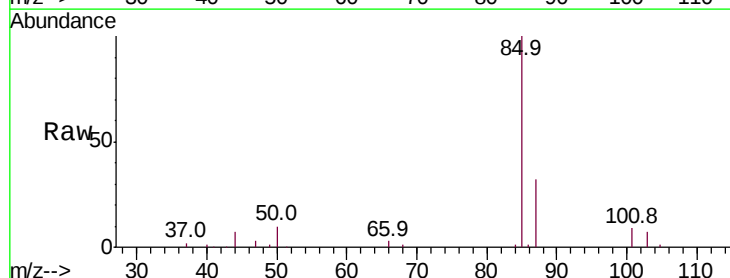
Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2
 Dichlorodifluoromethane
 Concen: 25.337 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

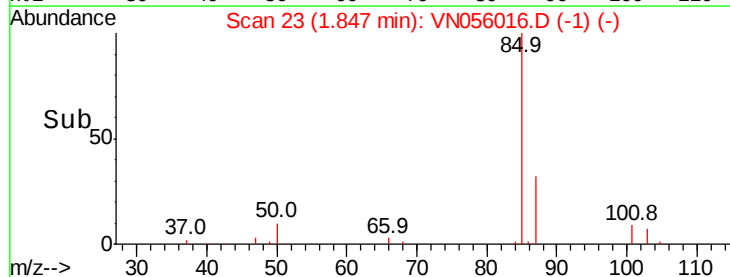
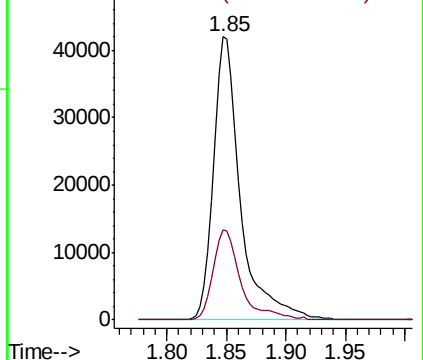
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.9	47.7

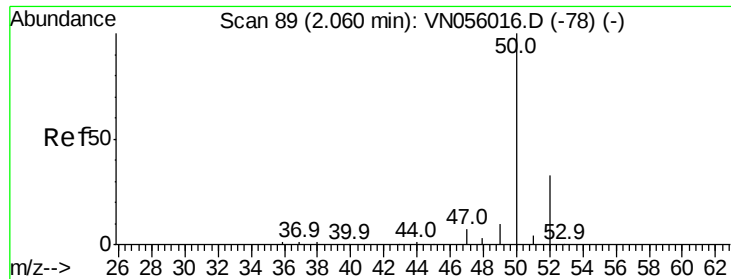


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.960 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 50 Resp: 73105

Ion Ratio Lower Upper

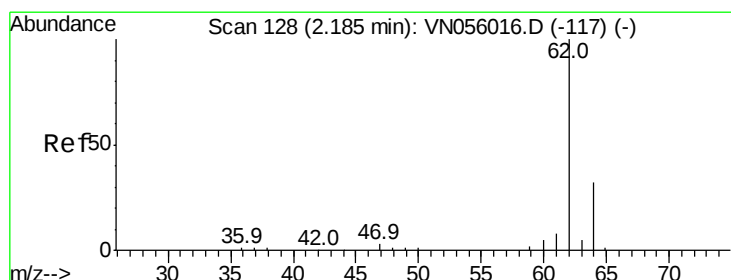
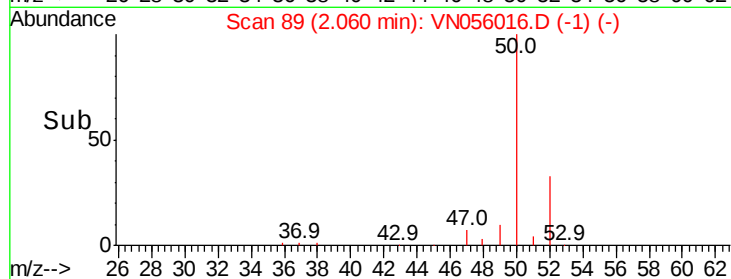
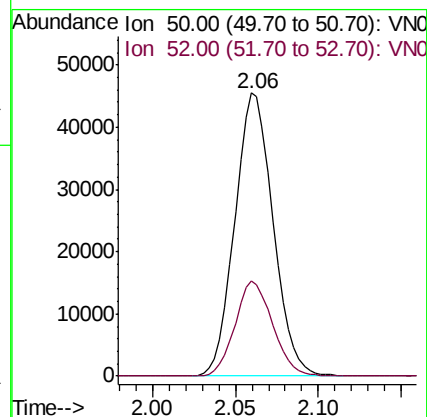
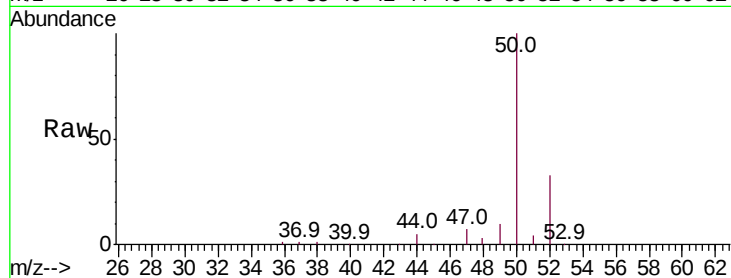
50 100

52 33.4 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.380 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056016.D

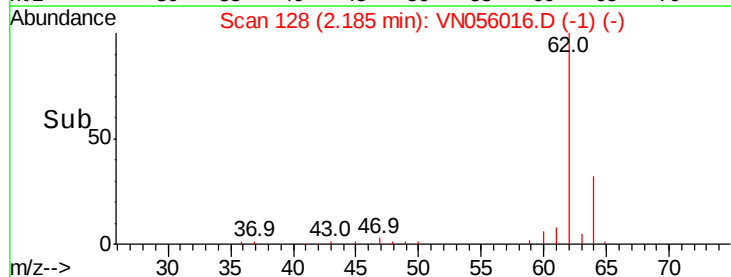
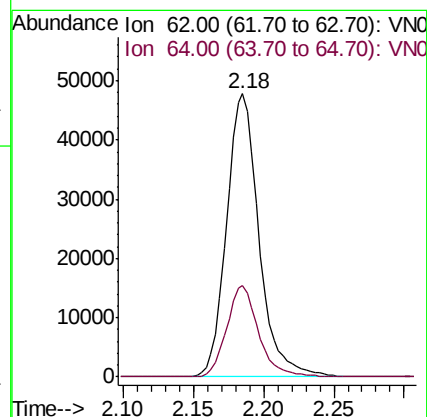
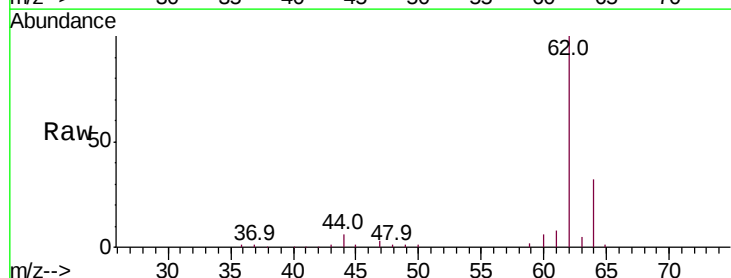
Acq: 5 Jun 2019 19:18

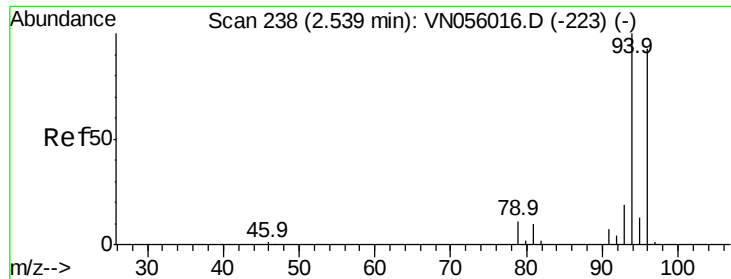
Tgt Ion: 62 Resp: 76640

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 22.977 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 94 Resp: 49485

Ion Ratio Lower Upper

94 100

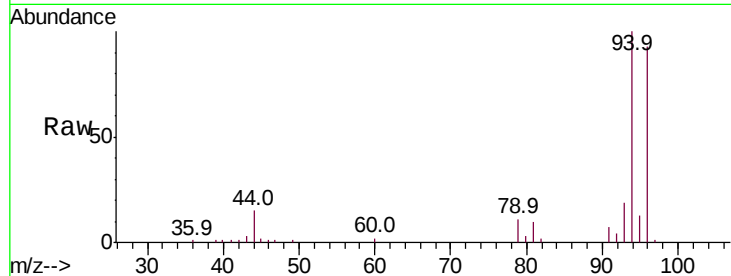
96 92.6 74.1 111.1

Manual Integrations

APPROVED

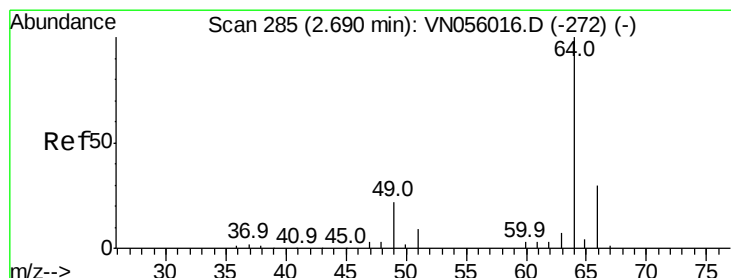
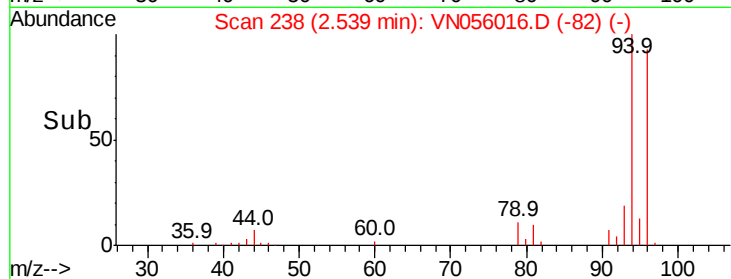
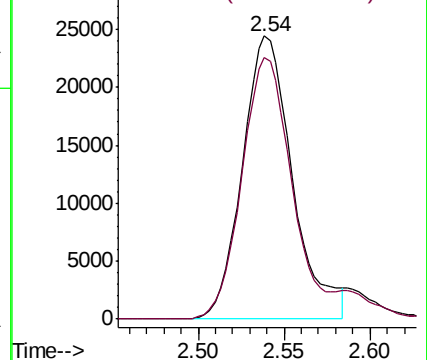
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6/6/2019 10:19:30 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.343 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN056016.D

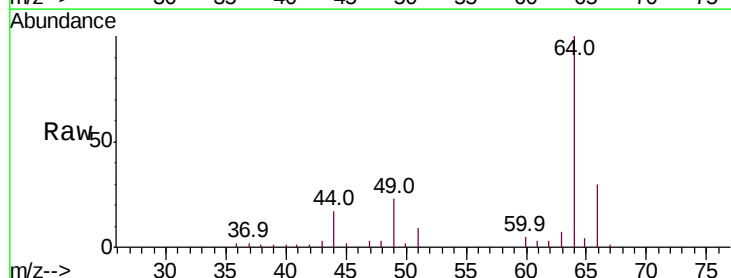
Acq: 5 Jun 2019 19:18

Tgt Ion: 64 Resp: 44483

Ion Ratio Lower Upper

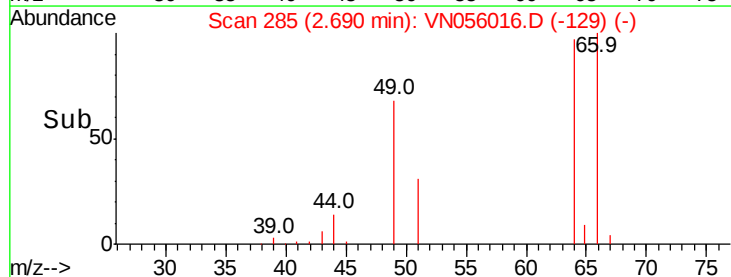
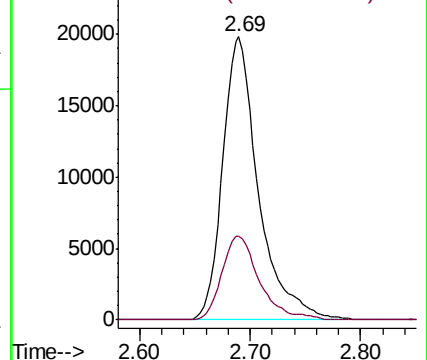
64 100

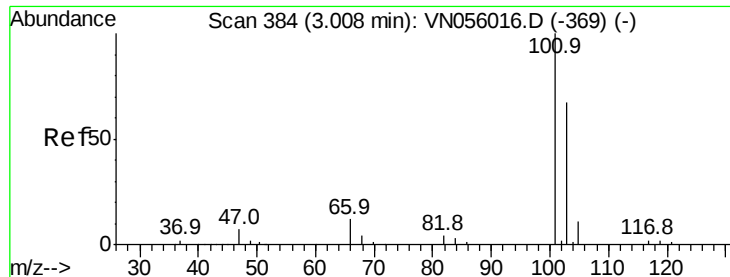
66 29.6 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

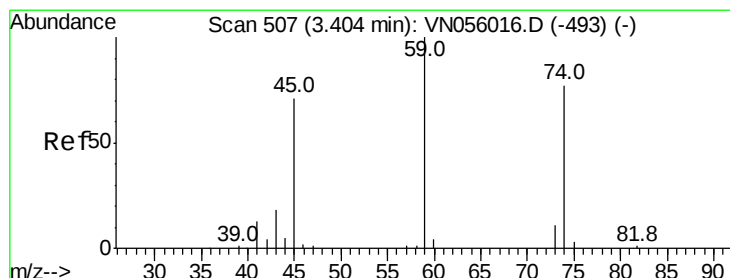
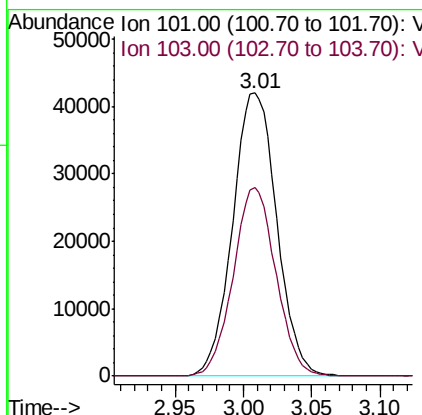
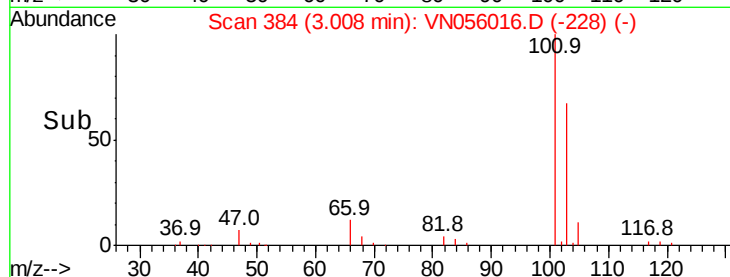
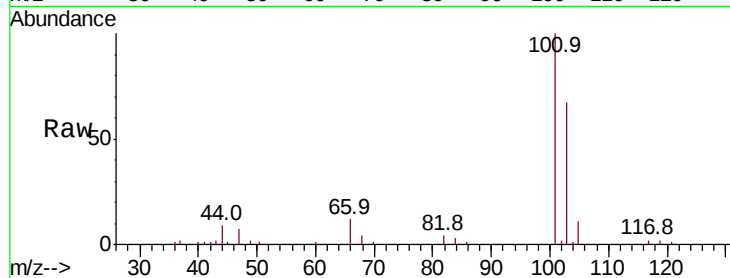
Trichlorofluoromethane
Concen: 20.967 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:101 Resp: 94217
Ion Ratio Lower Upper
101 100
103 66.7 53.4 80.0

Manual Integrations
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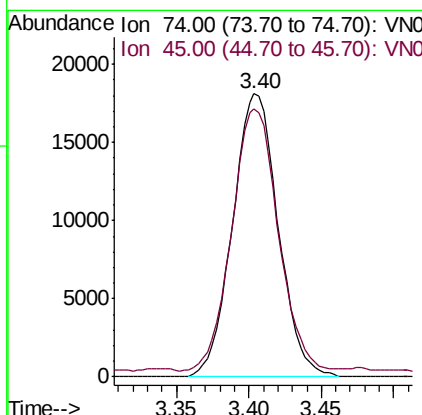
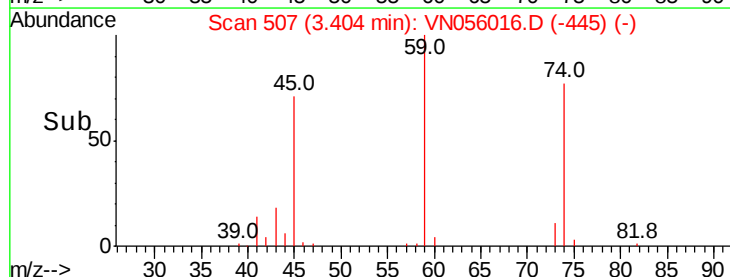
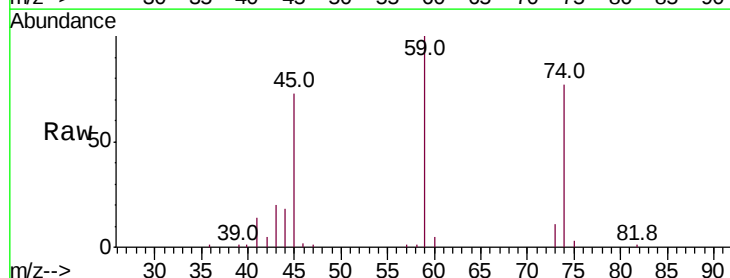
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6/6/2019 10:19:30 AM

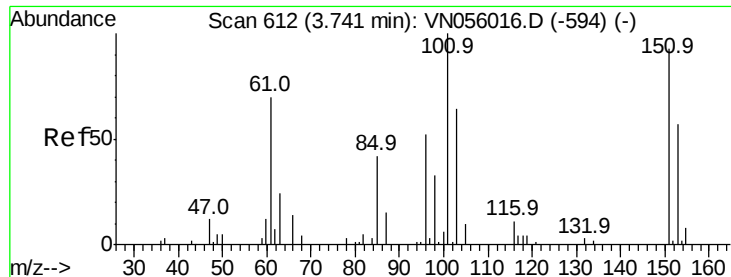


#8

Diethyl Ether
Concen: 20.217 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 74 Resp: 39500
Ion Ratio Lower Upper
74 100
45 94.2 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.515 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

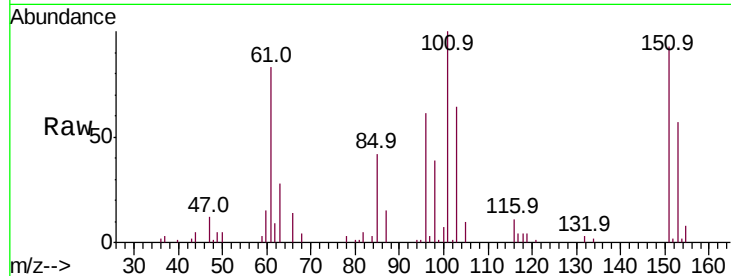
ClientSampled :

VSTDICCC020

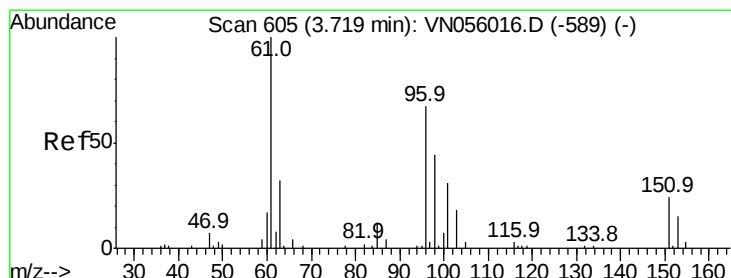
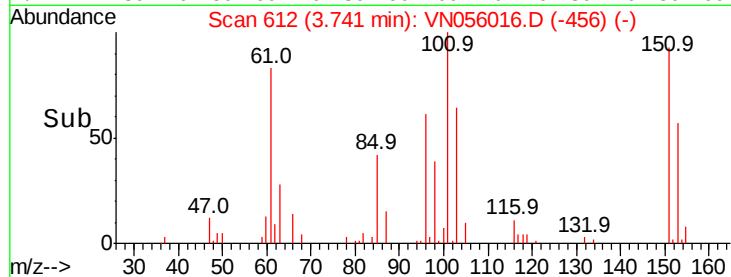
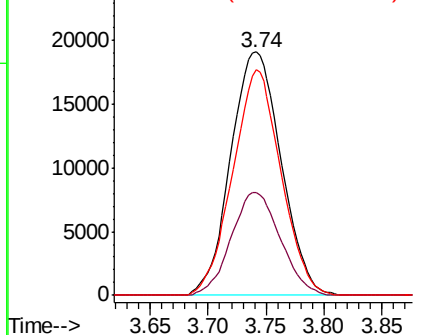
Tot Ion:	101	Resp:	57766
Ion Ratio	Lower	Upper	
101	100		
85	41.0	0.0	82.0
151	88.5	0.0	177.0

Manual Integrations
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VN
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.933 ug/l

RT: 3.72 min Scan# 605

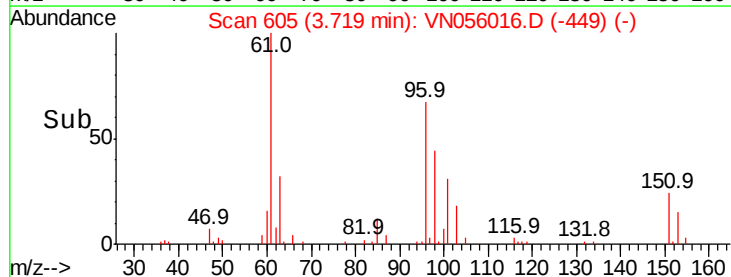
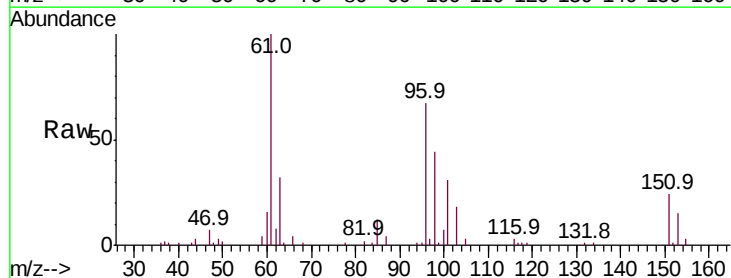
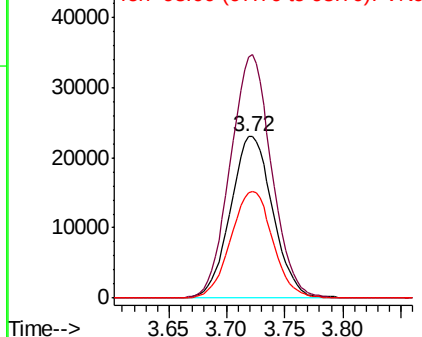
Delta R.T. 0.00 min

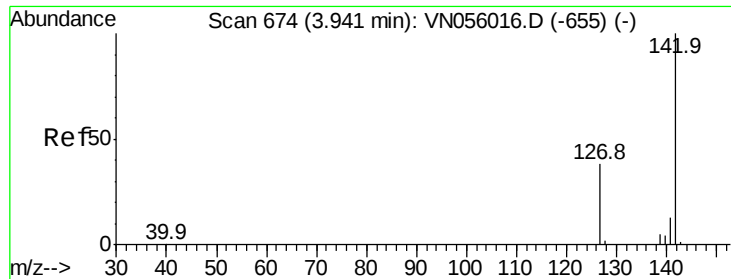
Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Tgt Ion:	96	Resp:	58282
Ion Ratio	Lower	Upper	
96	100		
61	149.6	119.7	179.5
98	65.4	52.3	78.5

Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





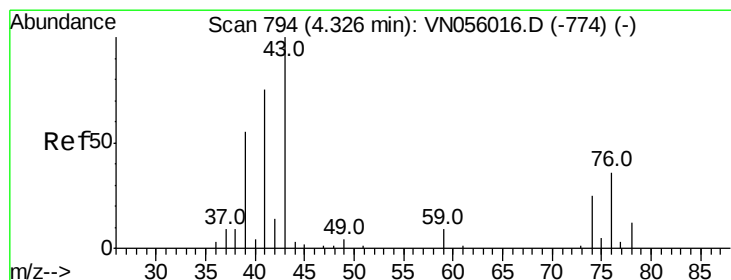
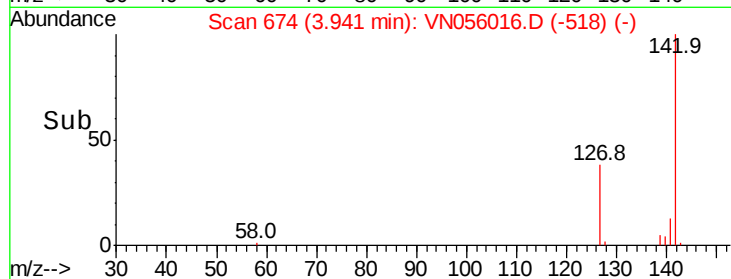
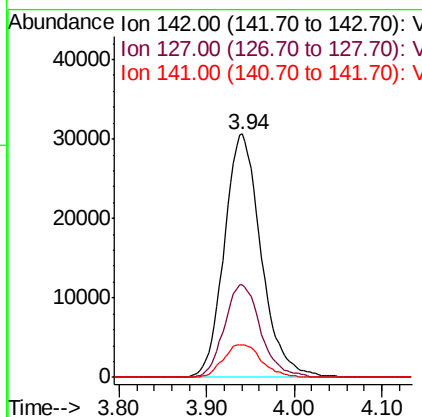
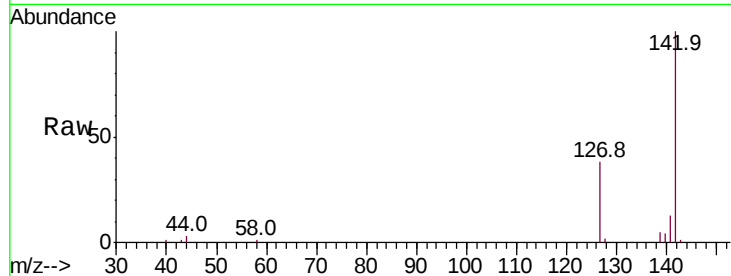
#11
Methyl Iodide
Concen: 21.008 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:142 Resp: 89354
Ion Ratio Lower Upper
142 100
127 38.0 19.0 57.0
141 13.3 6.7 20.0

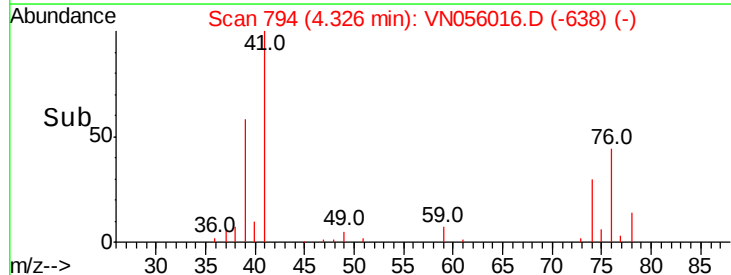
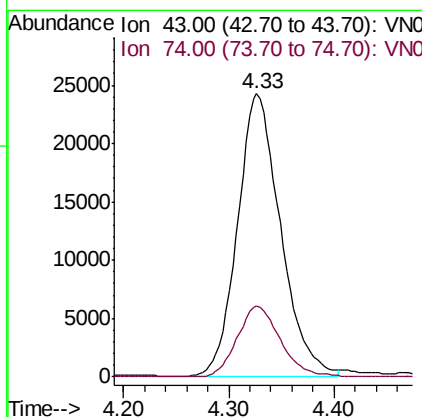
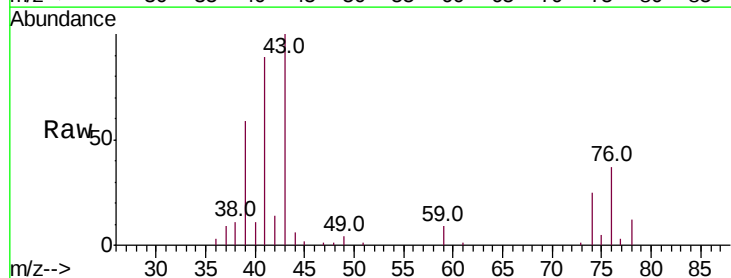
Manual Integrations
APPROVED

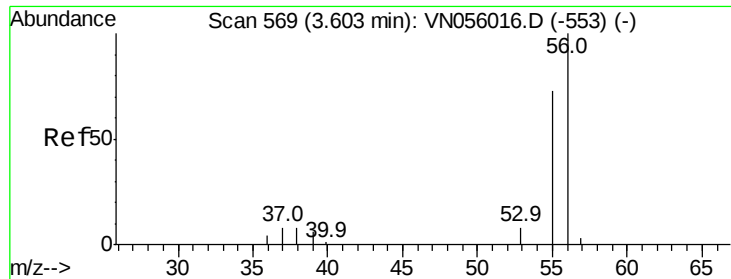
MMDadoda
6/6/2019 10:19:30 AM



#12
Methyl Acetate
Concen: 19.368 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 43 Resp: 69040
Ion Ratio Lower Upper
43 100
74 24.9 19.9 29.9





#13

Acrolein

Concen: 37.436 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 16287

Ion Ratio Lower Upper

56 100

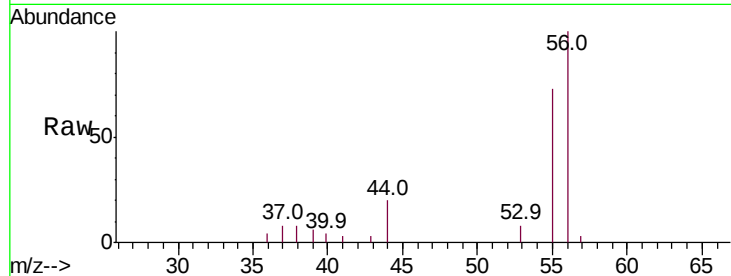
55 72.4 57.9 86.9

Manual Integrations

APPROVED

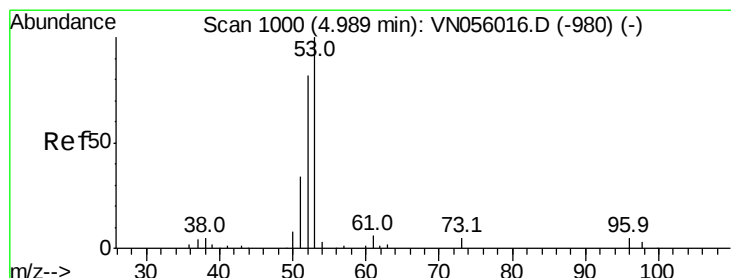
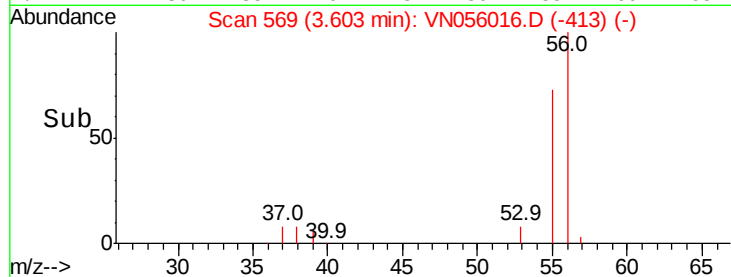
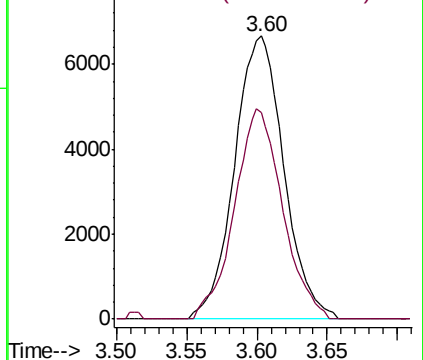
MMDadoda

6/6/2019 10:19:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.146 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

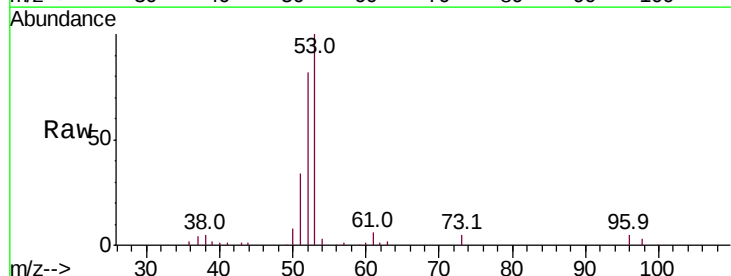
Tgt Ion: 53 Resp: 154939

Ion Ratio Lower Upper

53 100

52 81.5 40.8 122.2

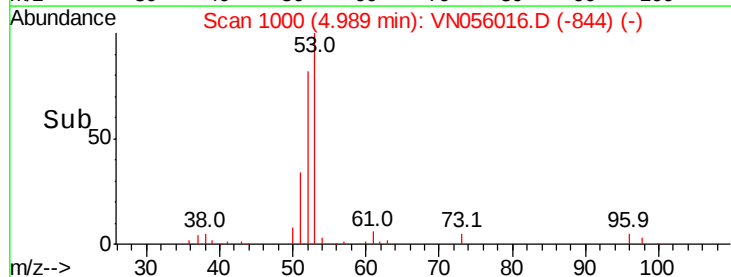
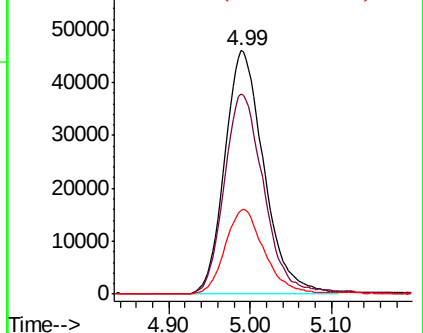
51 34.7 17.3 52.0

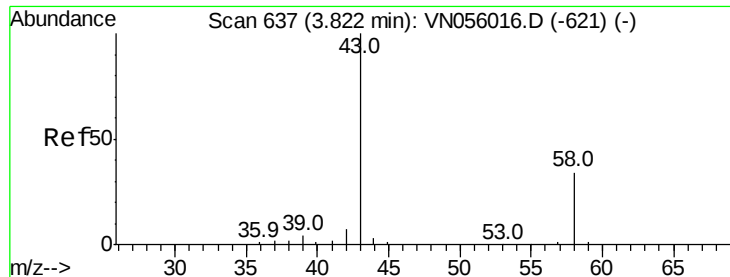


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 107.438 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 54756

Ion Ratio Lower Upper

58 100

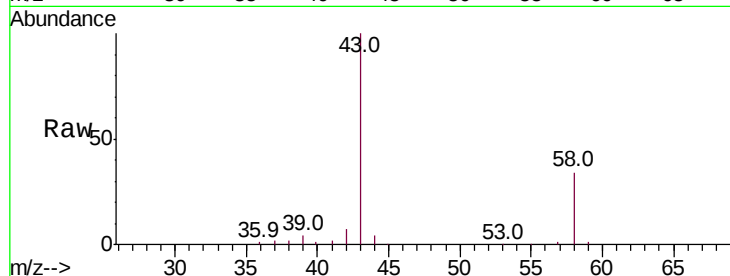
43 290.6 232.5 348.7

Manual Integrations

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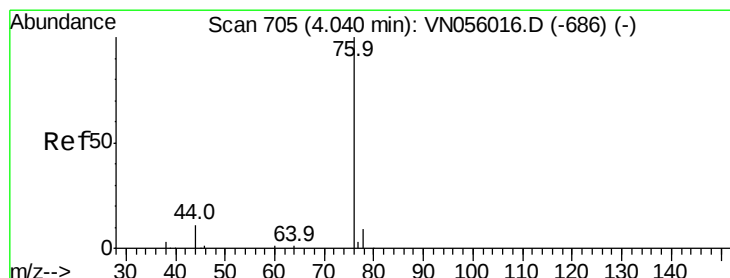
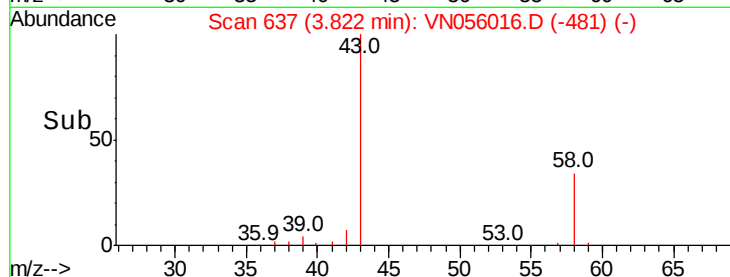
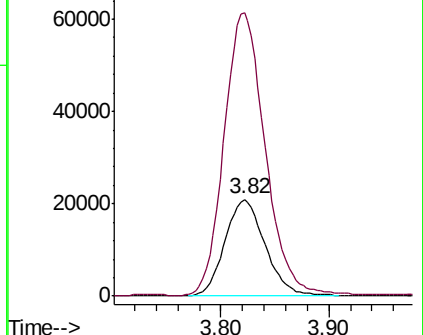
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Abundance Ion 58.00 (57.70 to 58.70): VN056016.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VN056016.D (-621) (-)



#16

Carbon Disulfide

Concen: 16.160 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056016.D

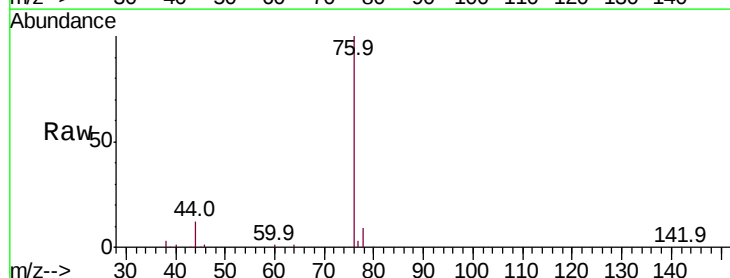
Acq: 5 Jun 2019 19:18

Tgt Ion: 76 Resp: 129424

Ion Ratio Lower Upper

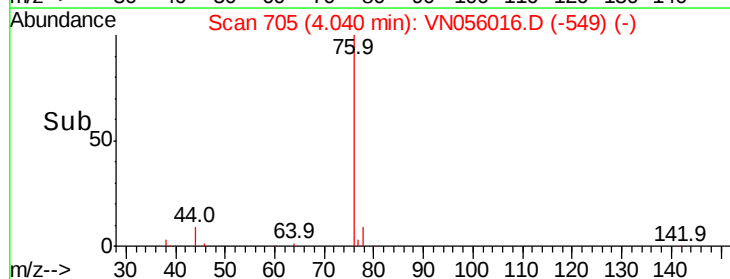
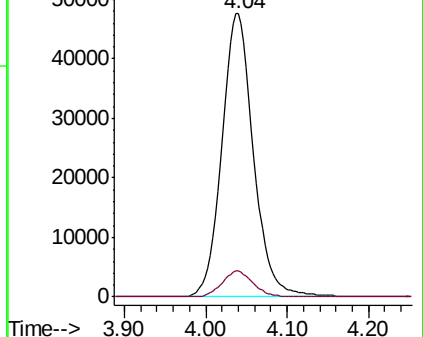
76 100

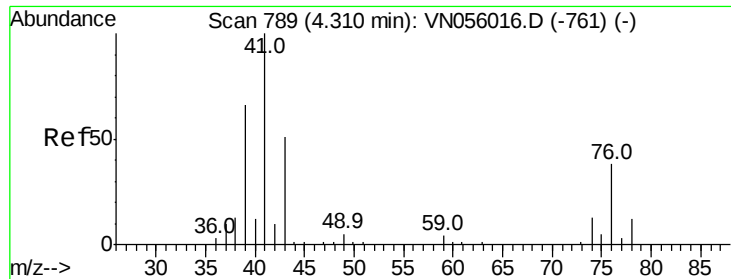
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN056016.D (-686) (-)

Ion 78.00 (77.70 to 78.70): VN056016.D (-686) (-)





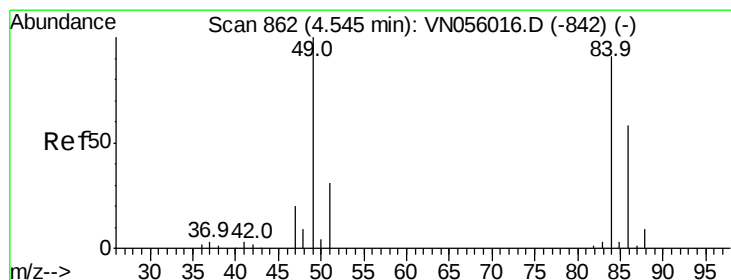
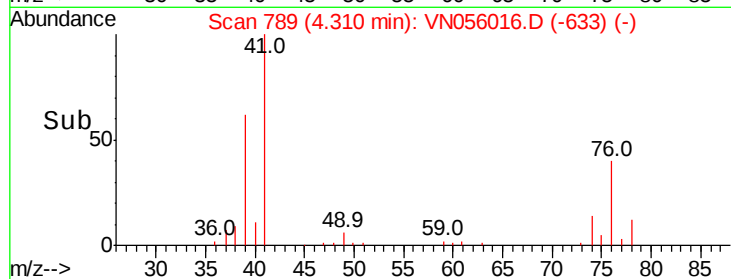
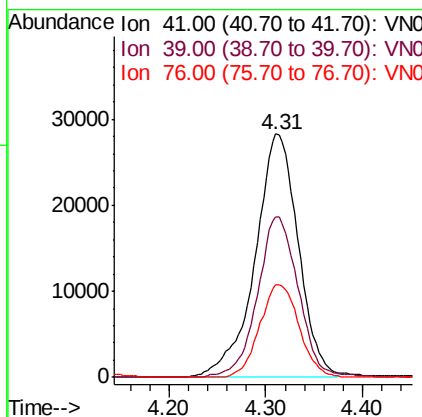
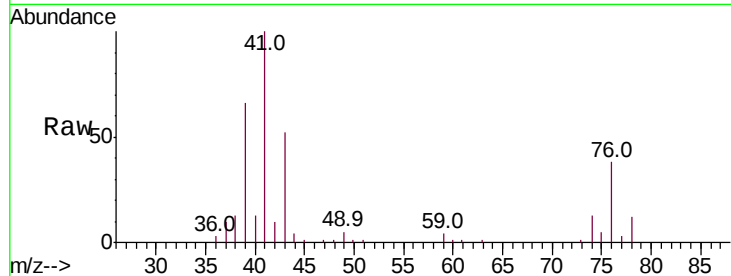
#17
Allvl chloride
Concen: 17.174 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.0	33.0	99.0
76	37.9	18.9	56.9

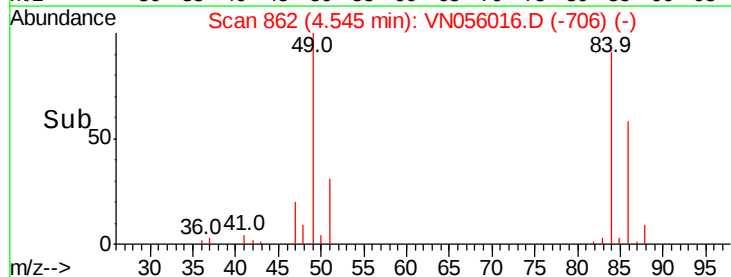
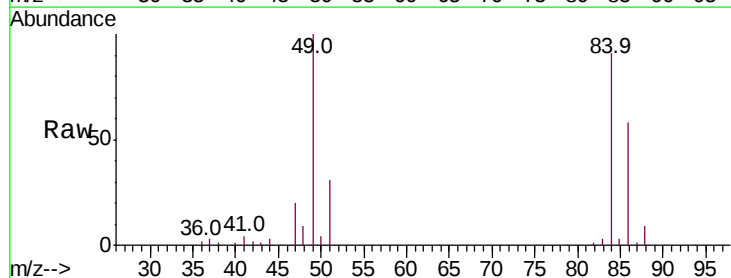
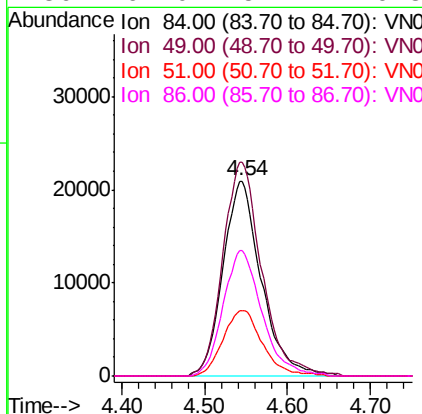
Manual Integrations
APPROVED

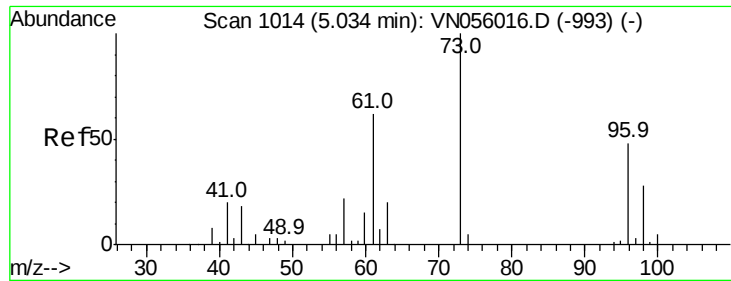
MMDadoda
6/6/2019 10:19:30 AM



#18
Methylene Chloride
Concen: 19.998 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.5	87.6	131.4
51	33.7	27.0	40.4
86	64.0	51.2	76.8





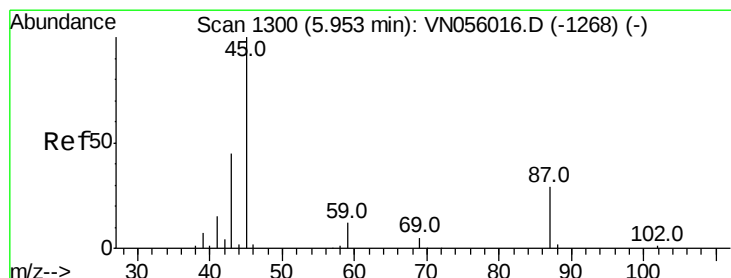
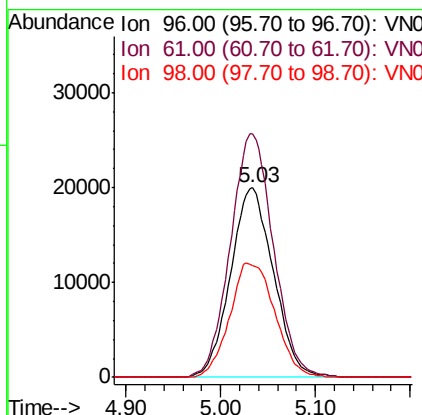
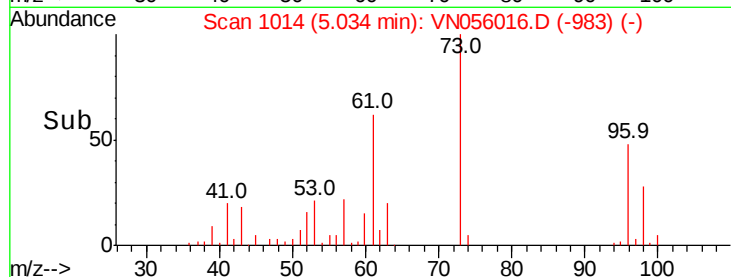
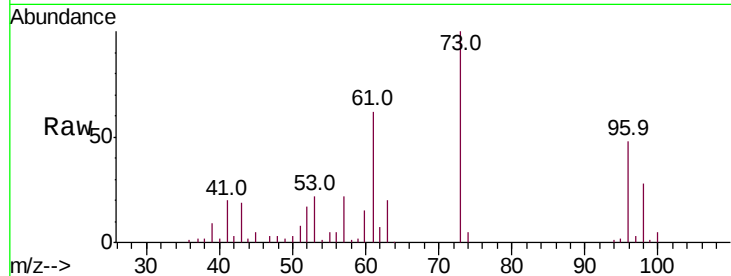
#19
trans-1,2-Dichloroethene
Concen: 20.051 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	102.5	153.7
98	58.6	46.9	70.3

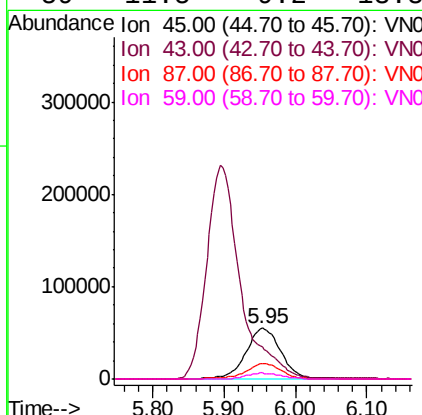
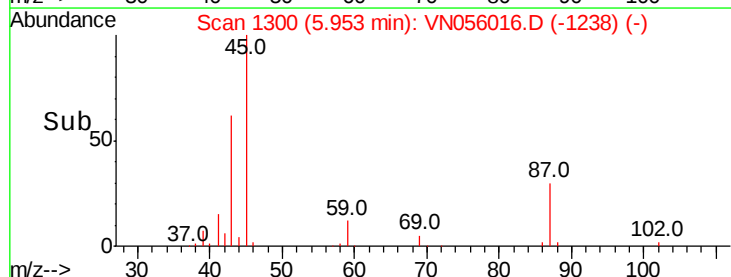
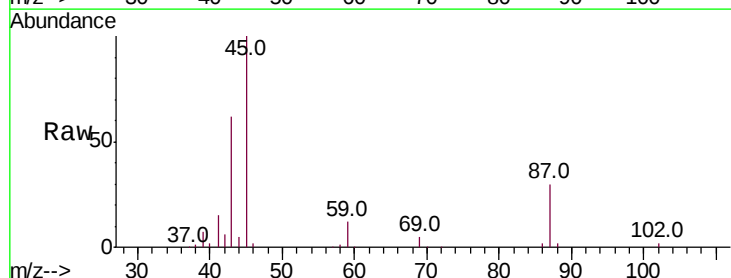
Manual Integrations
APPROVED

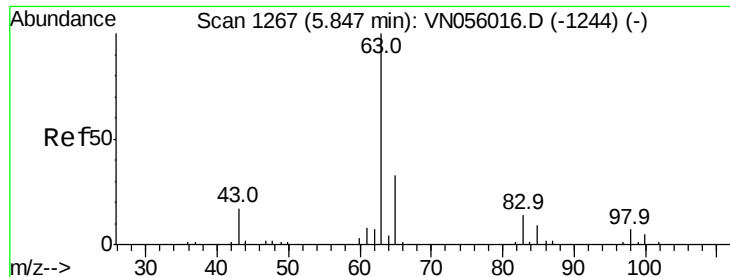
MMDadoda
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#20
Diisopropyl ether
Concen: 18.656 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.0	48.0	72.0
87	29.3	23.4	35.2
59	11.5	9.2	13.8





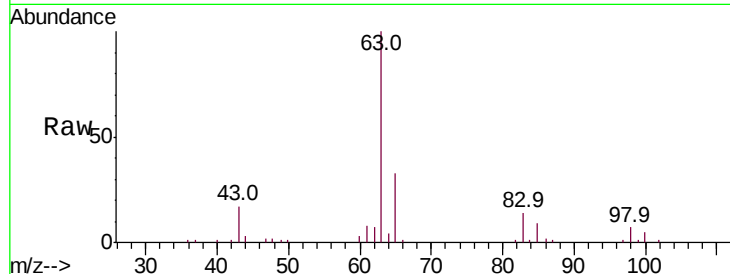
#21
 1,1-Dichloroethane
 Concen: 18.995 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

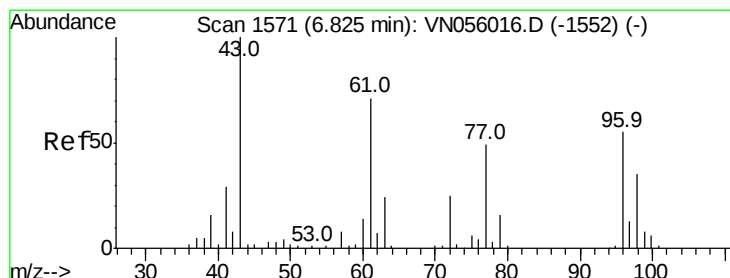
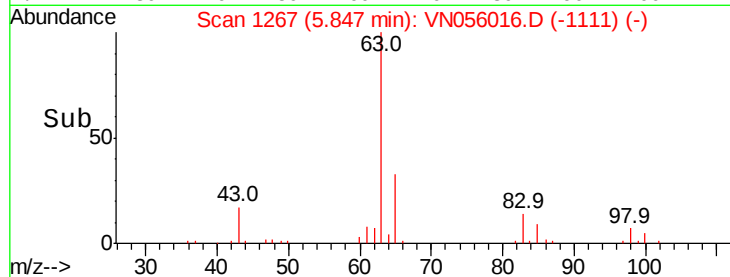
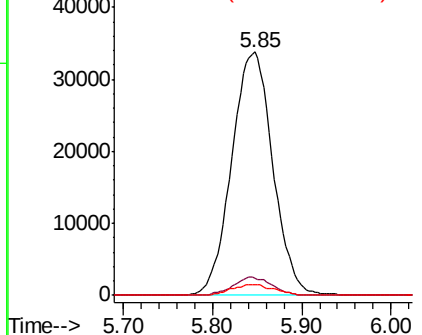
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.0	3.5	10.5	
100	4.6	2.3	6.9	

Manual Integrations
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MMDadoda
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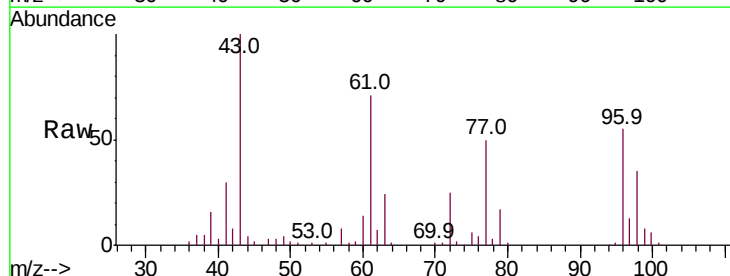


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

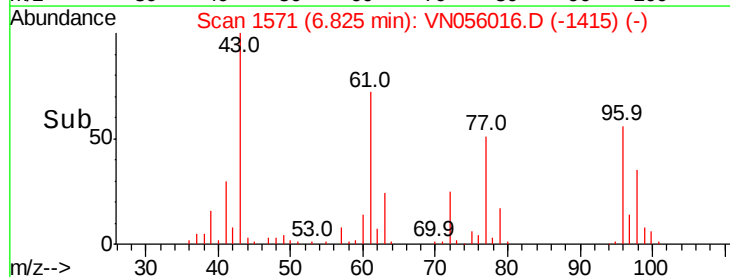
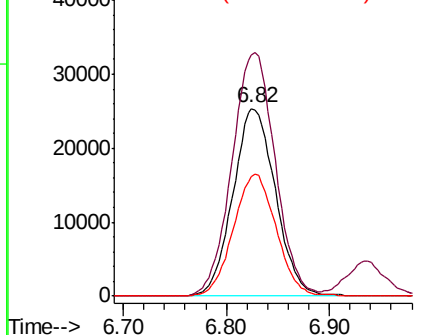


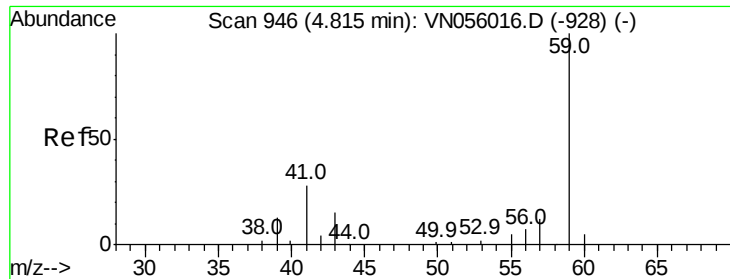
#22
 cis-1,2-Dichloroethene
 Concen: 19.844 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.1	105.7	158.5	
98	65.0	52.0	78.0	



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

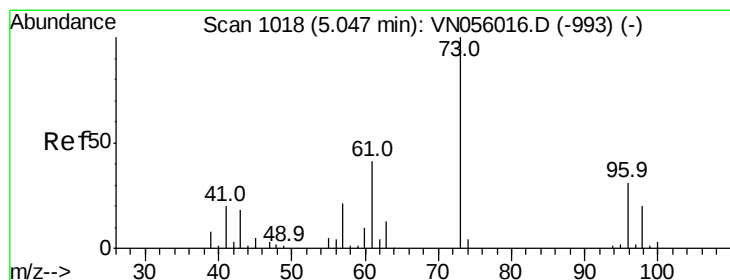
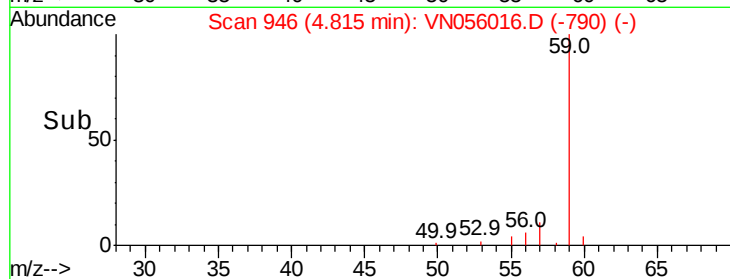
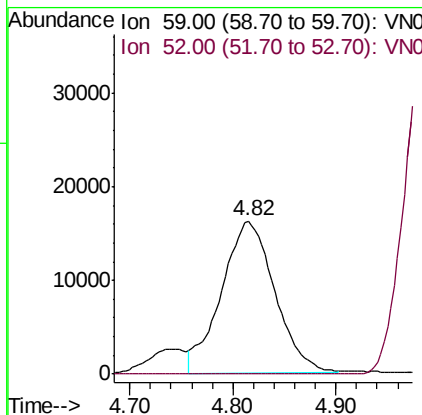
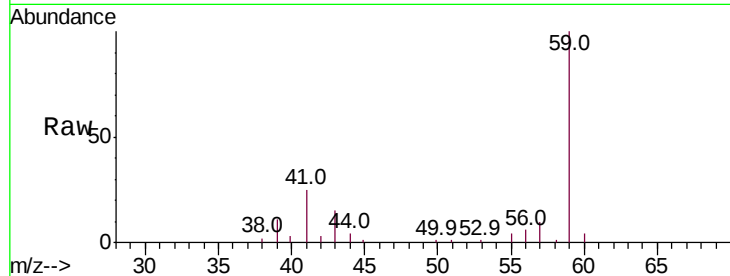
tert-Butyl Alcohol
 Concen: 85.089 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	52	Ratio	100	0.0	Resp	58675	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	58675	Lower	Upper

Manual Integrations
 APPROVED

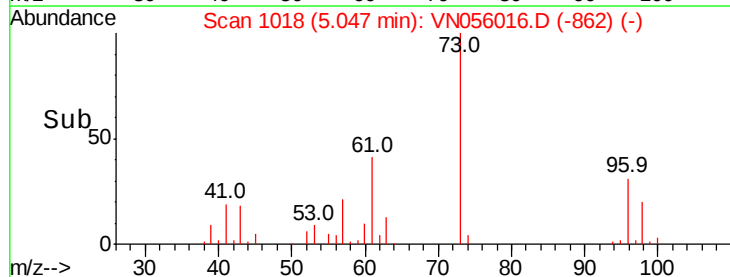
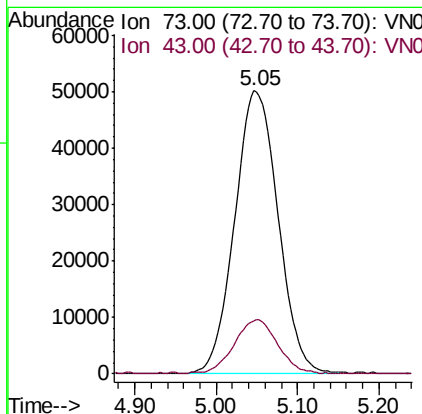
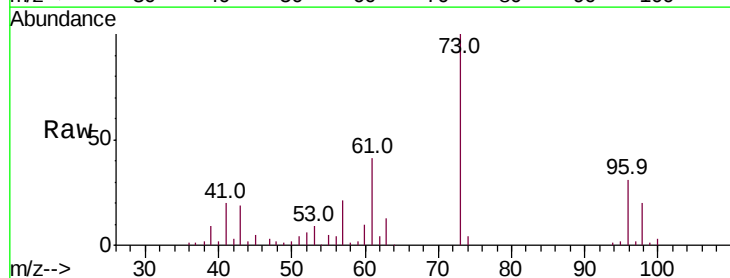
MMDadoda
 6/6/2019 10:19:30 AM

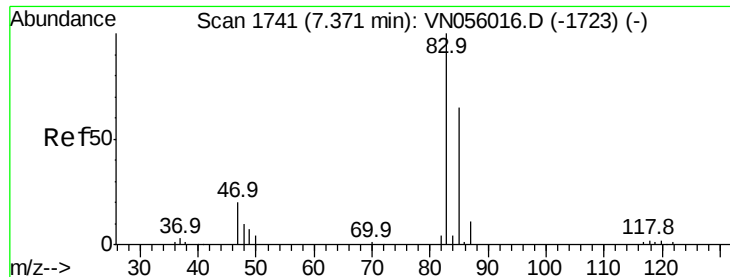


#24

Methyl tert-Butyl Ether
 Concen: 18.938 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	73	43	Ratio	100	19.2	Resp	185474	Lower	Upper
Ion	73	43	Ratio	100	19.2	Resp	185474	Lower	Upper





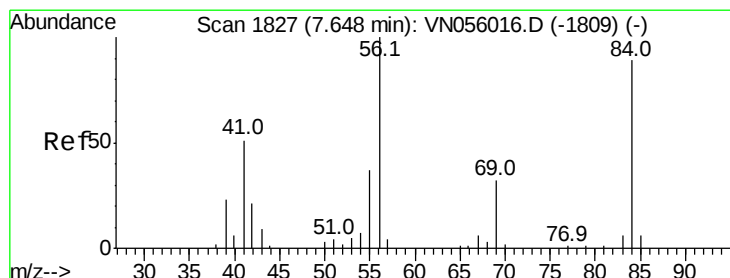
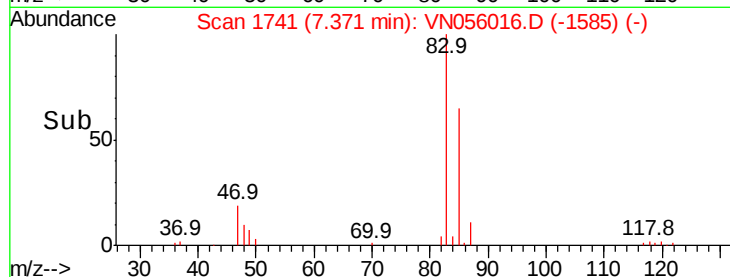
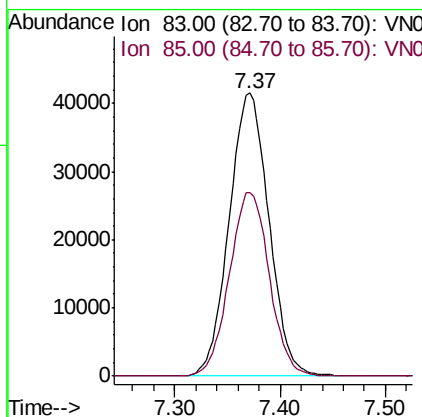
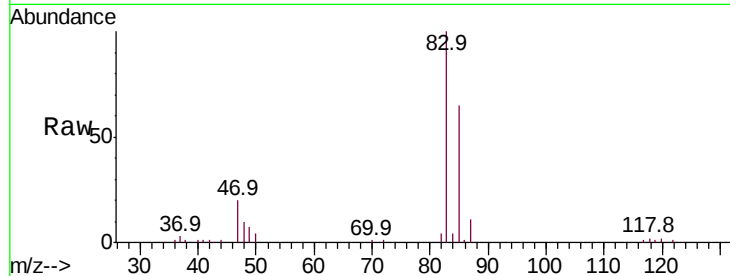
#25
Chloroform
Concen: 19.237 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 83 Resp: 108766
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0

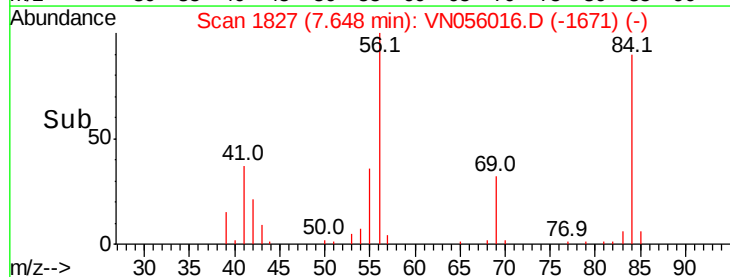
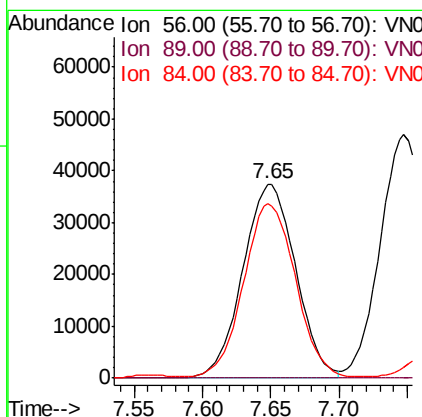
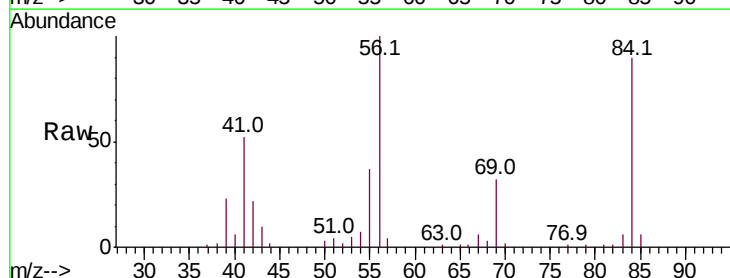
Manual Integrations
APPROVED

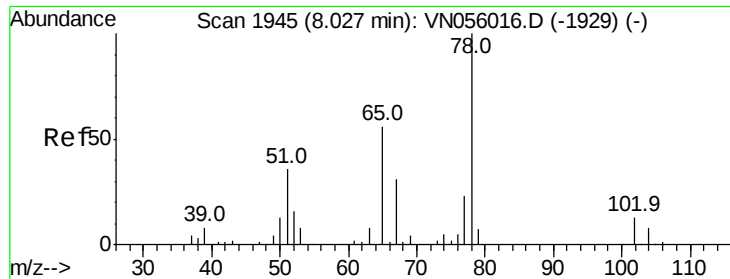
MMDadoda
6/6/2019 10:19:30 AM



#26
Cyclohexane
Concen: 19.040 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 56 Resp: 100487
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.6 70.1 105.1





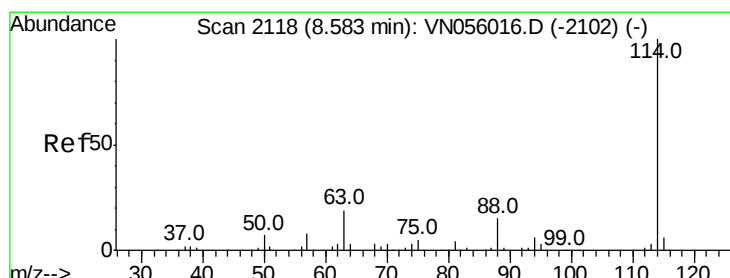
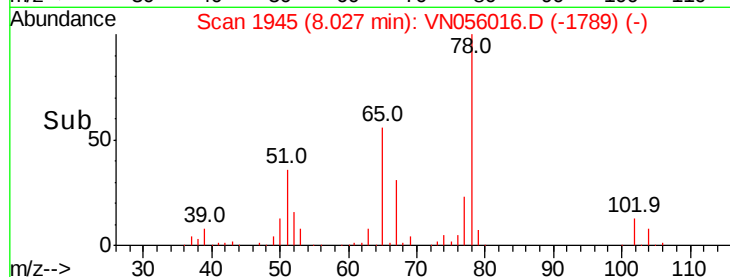
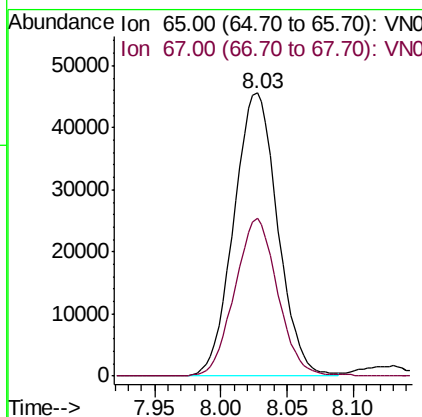
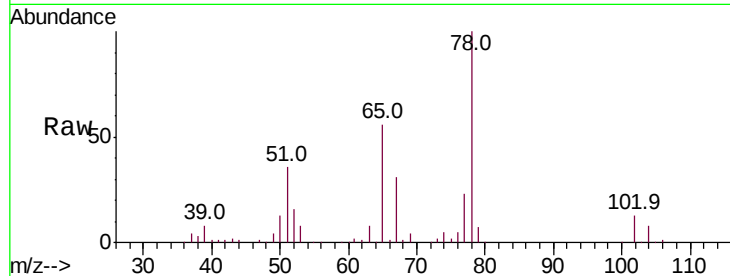
#27
 1,2-Dichloroethane-d4
 Concen: 29.125 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 104989
 Ion Ratio Lower Upper
 65 100
 67 54.3 43.4 65.2

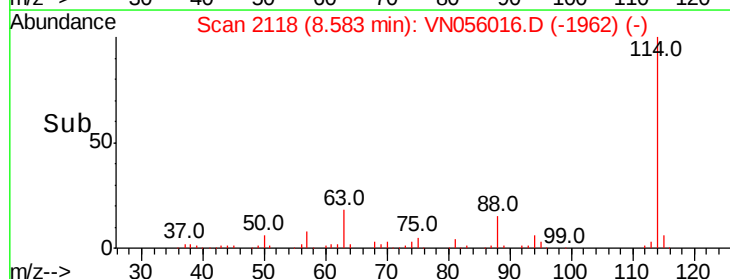
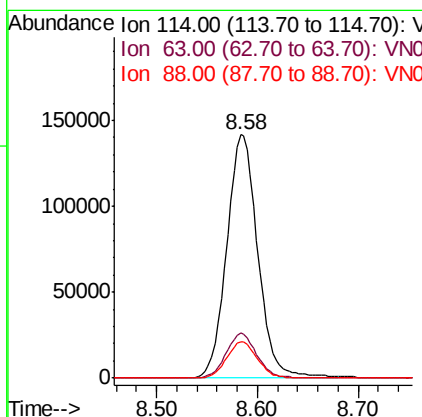
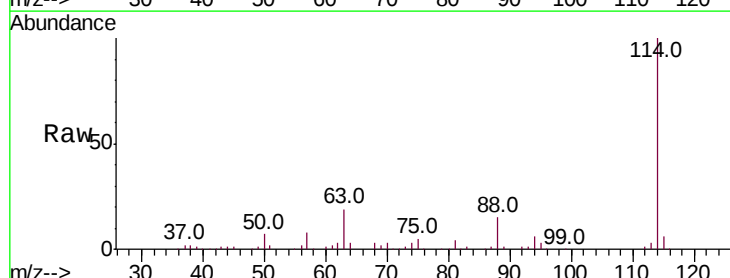
Manual Integrations
 APPROVED

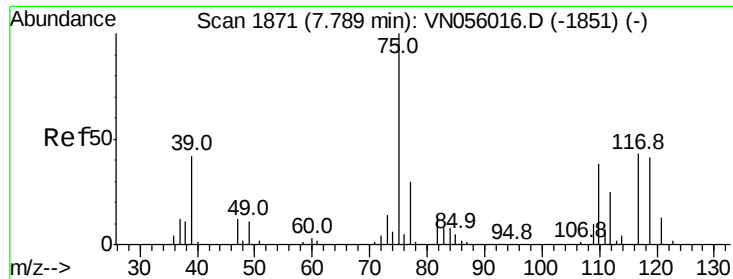
MMDadoda
 6/6/2019 10:19:30 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 114 Resp: 303903
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.7 22.1
 88 14.9 11.9 17.9





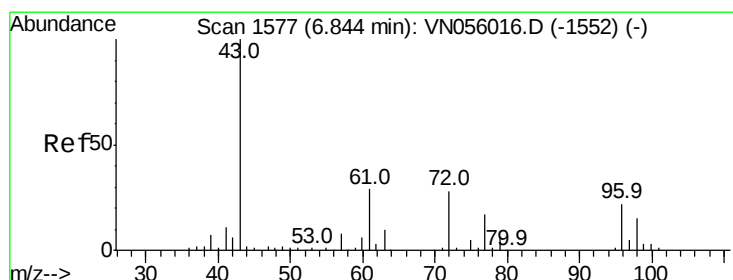
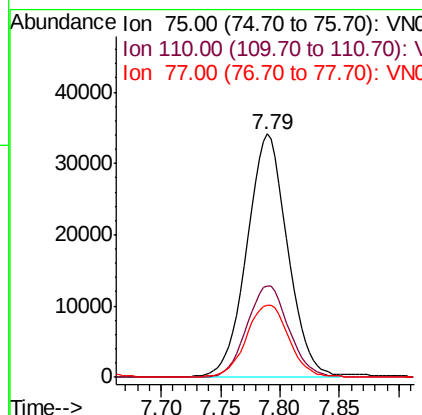
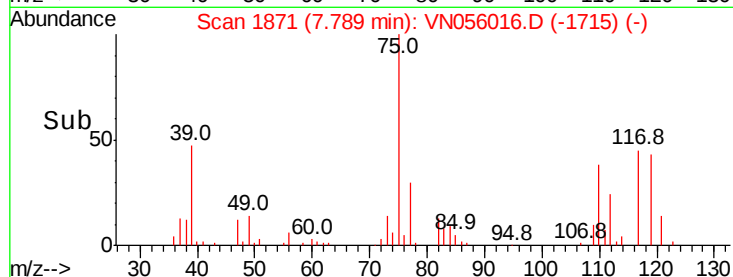
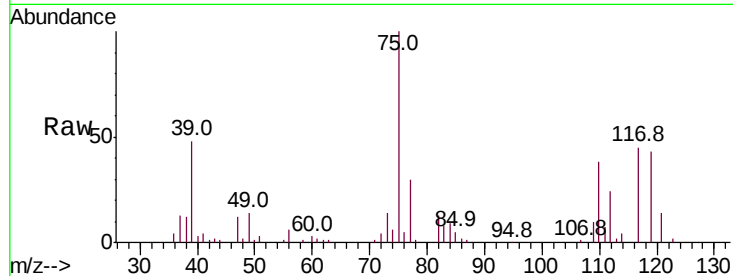
#29
 1,1-Dichloropropene
 Concen: 19.252 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.5	0.0	77.0
77	31.2	0.0	62.4

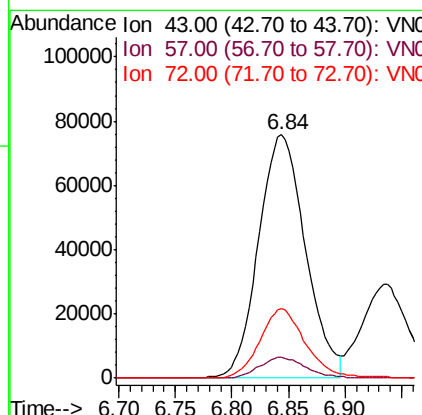
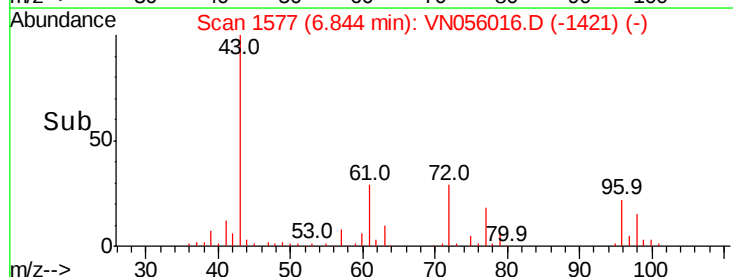
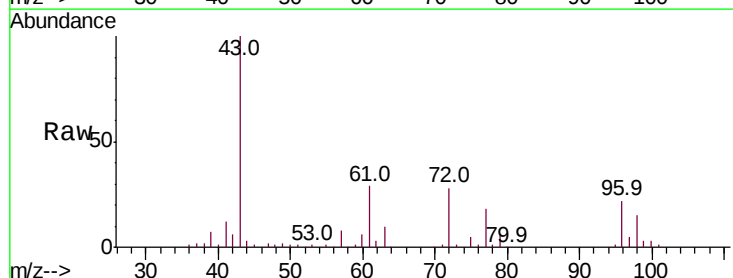
Manual Integrations
 APPROVED

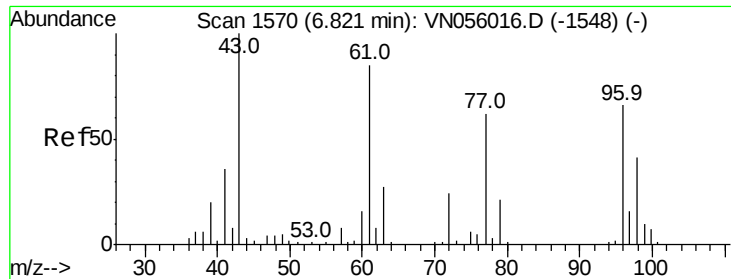
MMDadoda
 6/6/2019 10:19:30 AM



#30
 2-Butanone
 Concen: 97.441 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.7	10.1
72	28.0	22.4	33.6





#31

2,2-Dichloropropane

Concen: 16.147 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 77 Resp: 75574

Ion Ratio Lower Upper

77 100

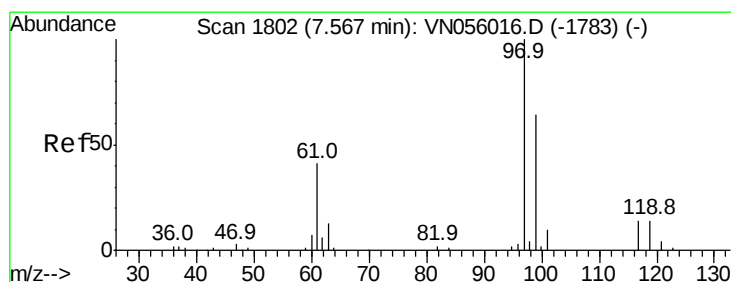
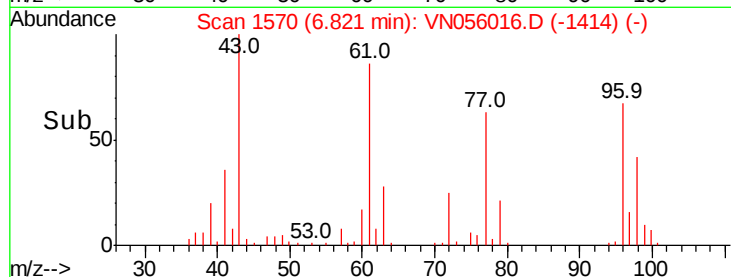
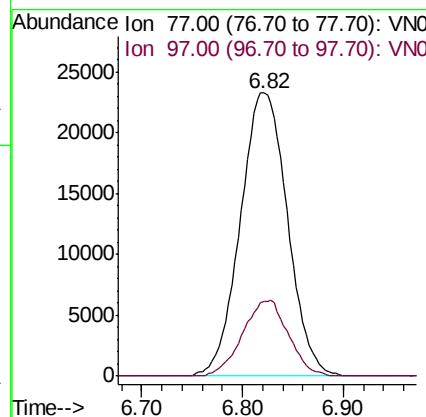
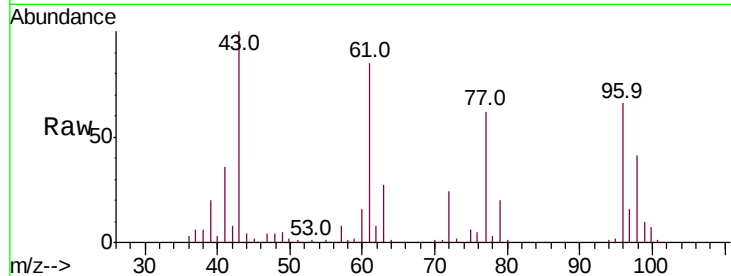
97 26.0 20.8 31.2

Manual Integrations

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MMDadoda

6/6/2019 10:19:30 AM



#32

1,1,1-Trichloroethane

Concen: 18.241 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

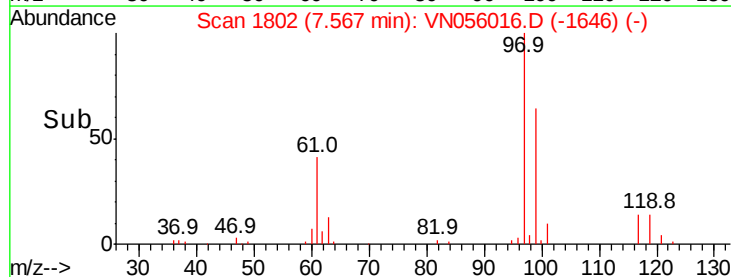
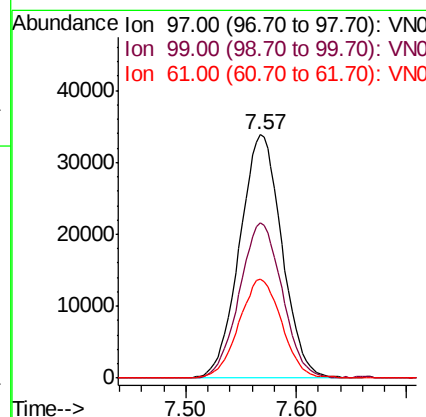
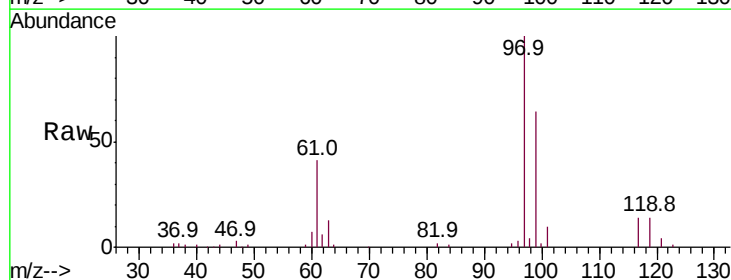
Tgt Ion: 97 Resp: 89702

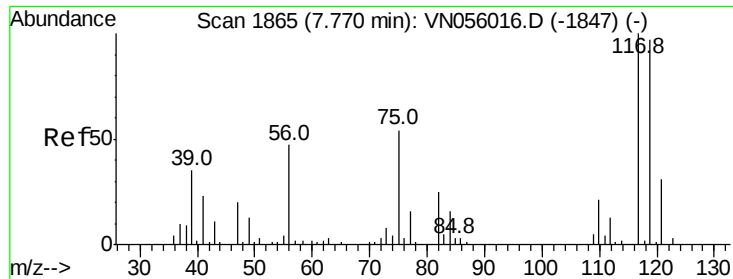
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 41.1 32.9 49.3





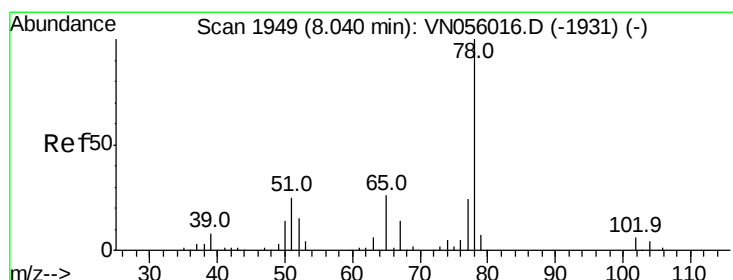
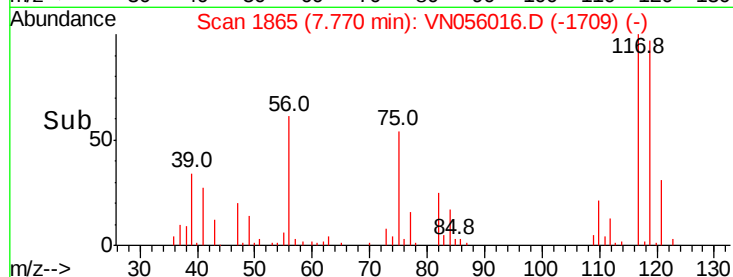
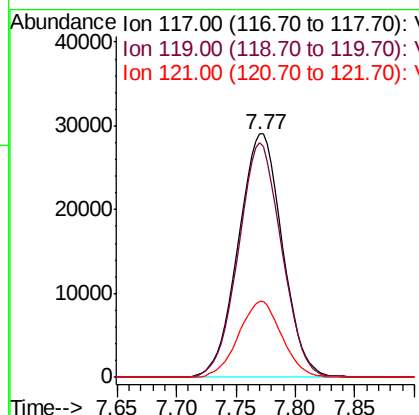
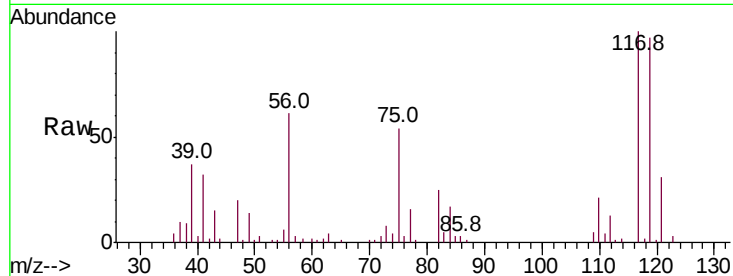
#33
Carbon Tetrachloride
Concen: 17.153 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
121	31.2	25.0	37.4

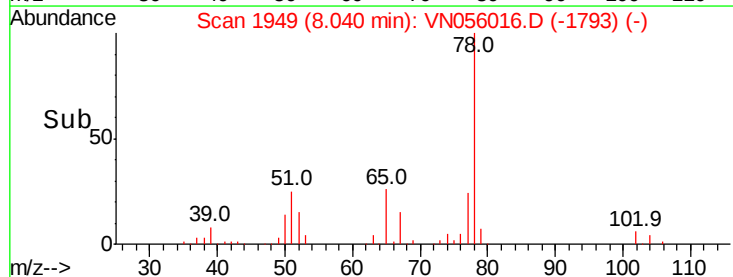
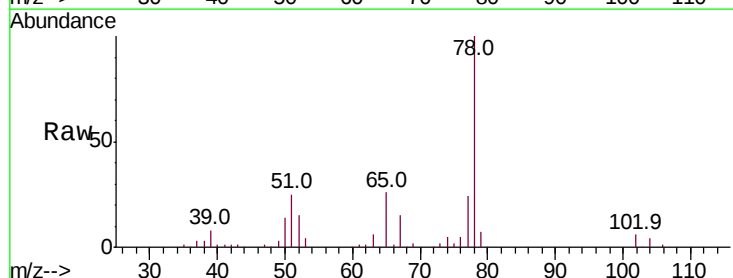
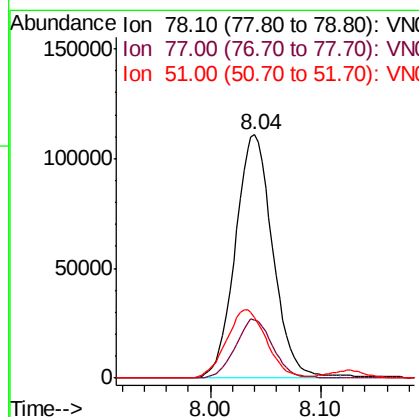
Manual Integrations
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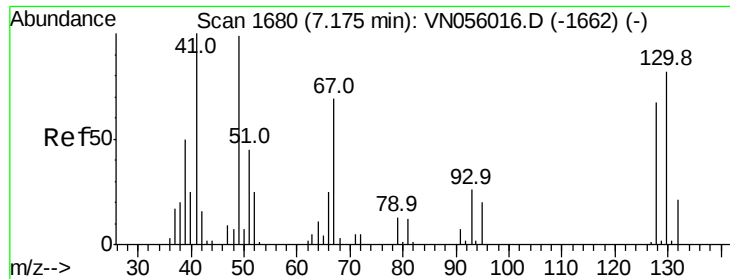
MMDadoda
6/6/2019 10:19:30 AM



#34
Benzene
Concen: 19.914 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9
51	24.8	19.8	29.8





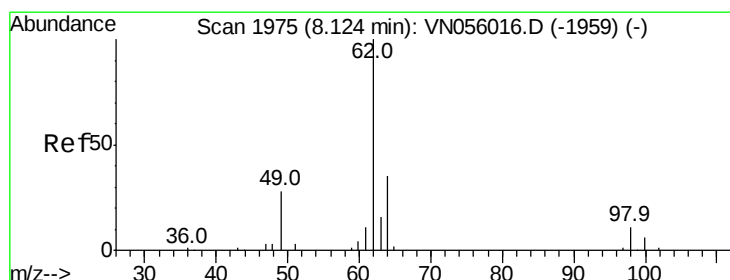
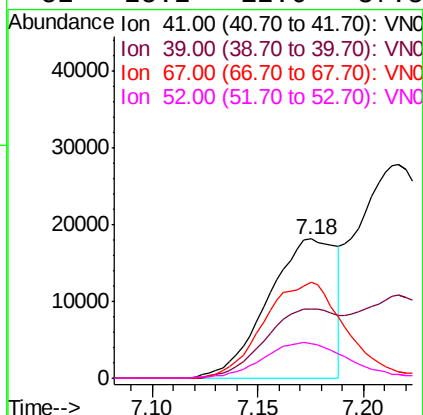
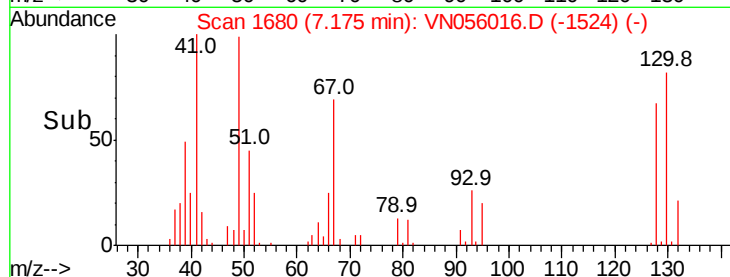
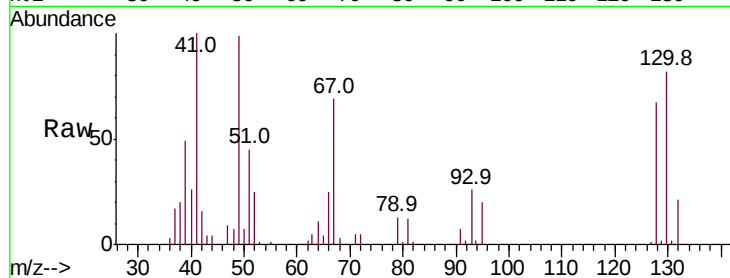
#35
Methacrylonitrile
Concen: 19.503 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.5	24.8	74.3	
67	68.6	34.3	102.9	
52	25.2	12.6	37.8	

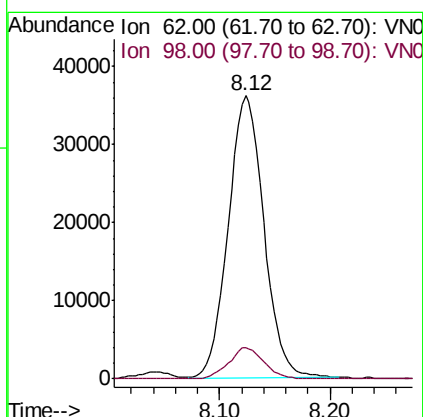
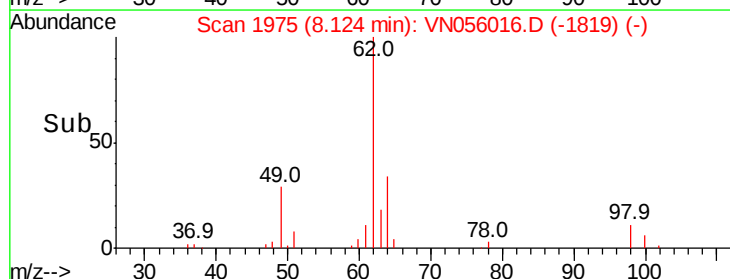
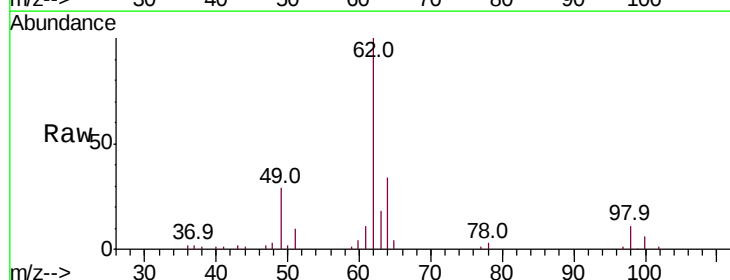
Manual Integrations
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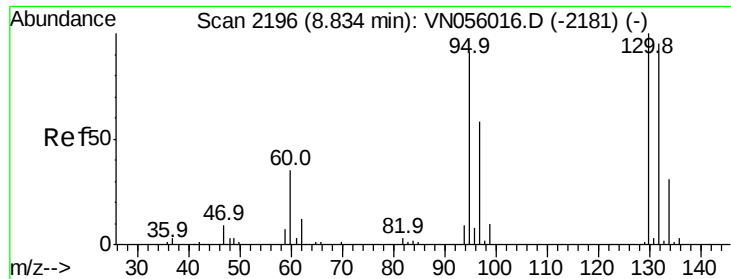
MMDadoda
6/6/2019 10:19:30 AM



#36
1,2-Dichloroethane
Concen: 19.153 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	8.6	13.0	





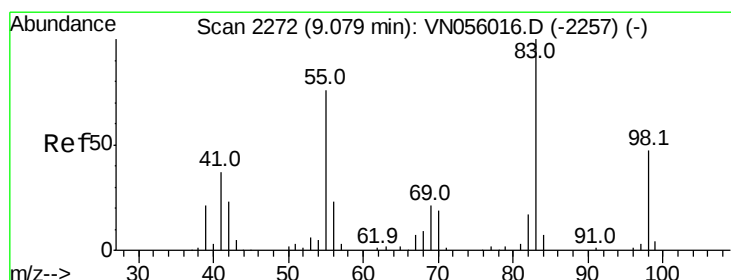
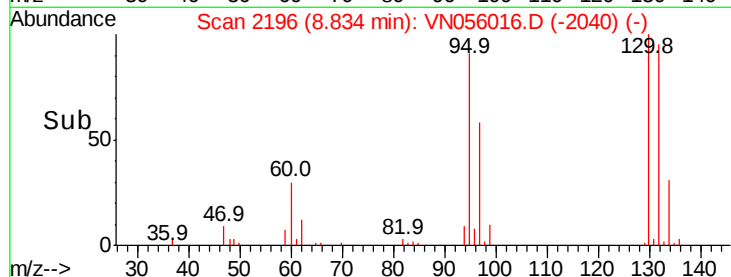
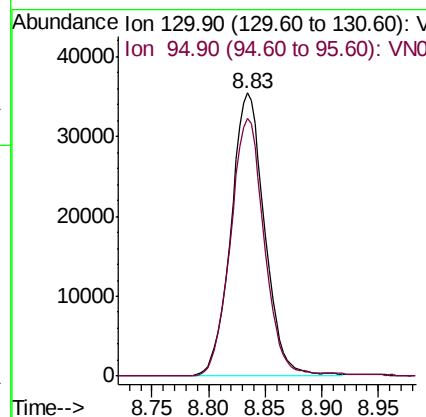
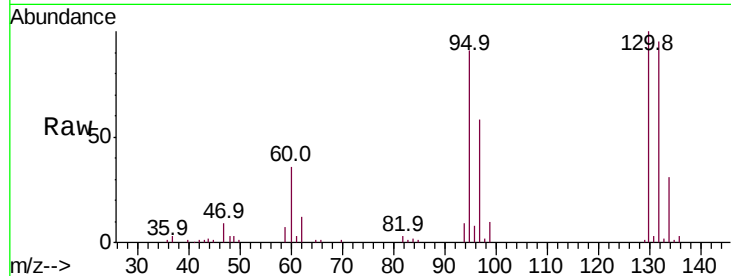
#37
 Trichloroethene
 Concen: 20.098 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 73610
 Ion Ratio Lower Upper
 130 100
 95 91.3 73.0 109.6

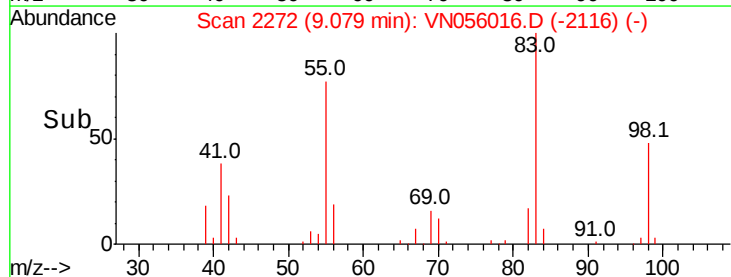
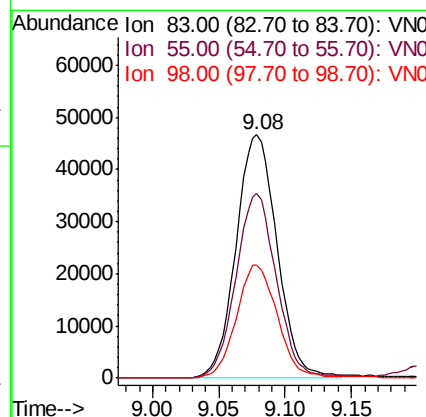
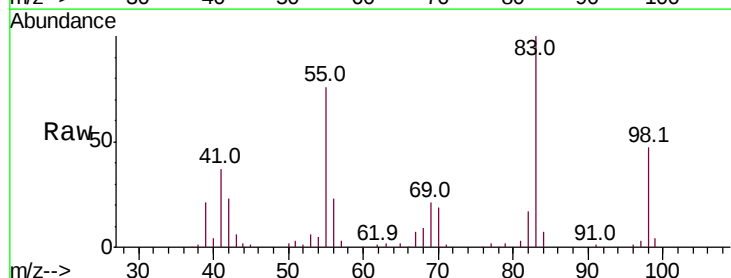
Manual Integrations
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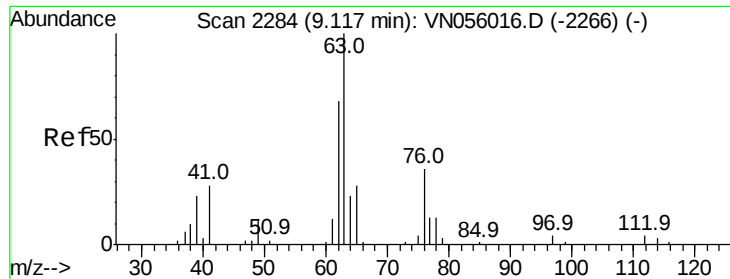
MMDadoda
 6/6/2019 10:19:30 AM



#38
 Methylcyclohexane
 Concen: 18.869 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 83 Resp: 100577
 Ion Ratio Lower Upper
 83 100
 55 75.1 37.5 112.7
 98 46.2 23.1 69.3





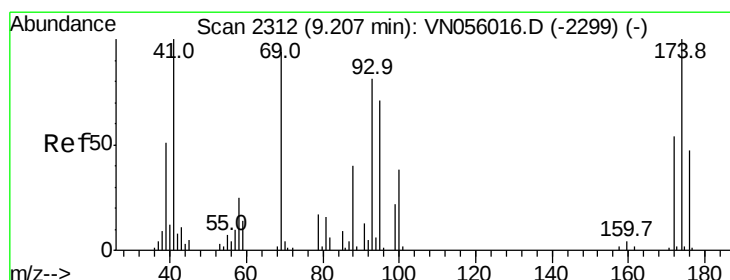
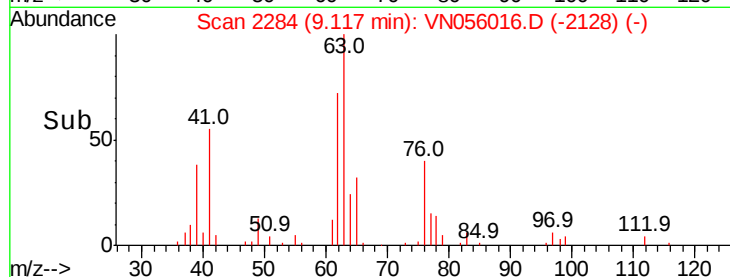
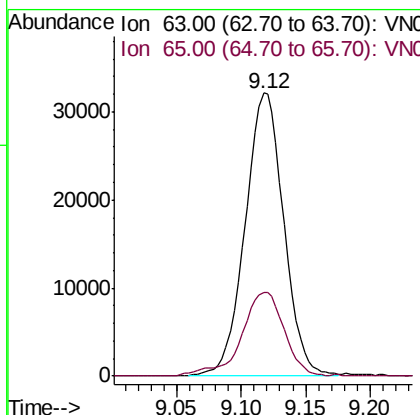
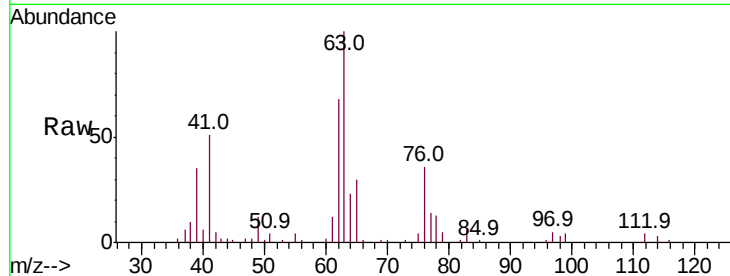
#39
 1,2-Dichloropropane
 Concen: 19.271 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 67231
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.1 34.7

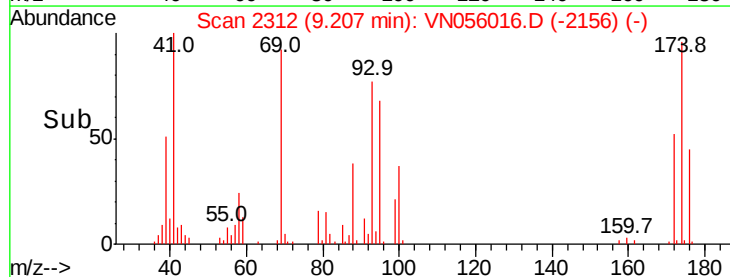
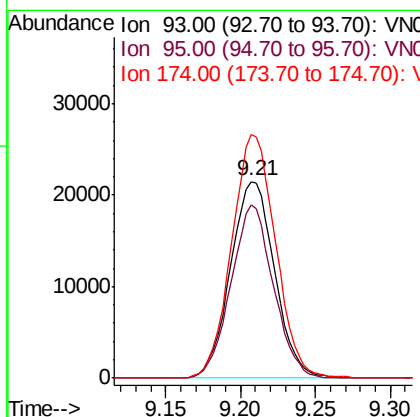
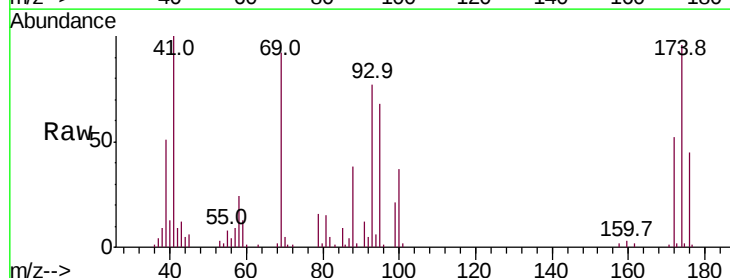
Manual Integrations
 APPROVED

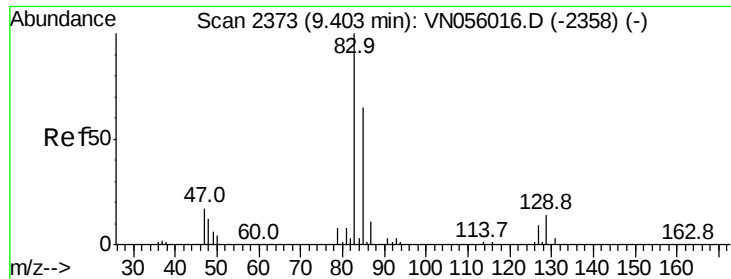
MMDadoda
 6/6/2019 10:19:30 AM



#40
 Dibromomethane
 Concen: 19.447 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion: 93 Resp: 44079
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 169.0
 174 123.2 0.0 246.4





#41

Bromodichloromethane

Concen: 17.031 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

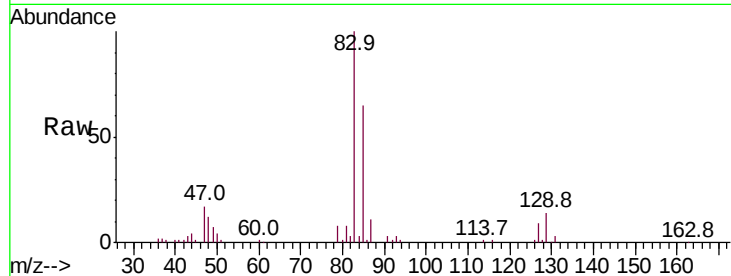
ClientSampleId :

VSTDICCC020

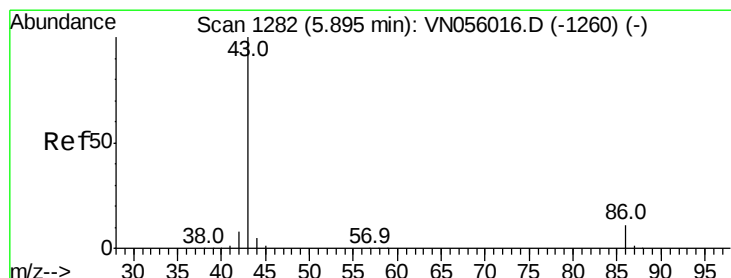
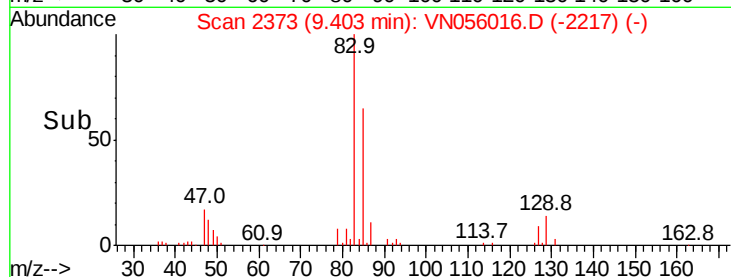
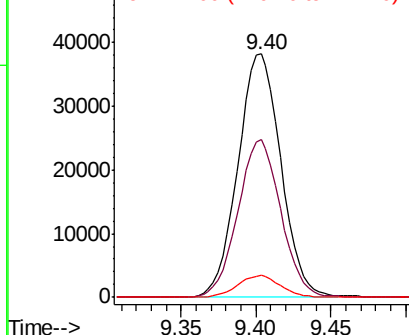
Tot Ion:	83	Resp:	76549
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	9.1	7.3	10.9

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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 89.260 ug/l

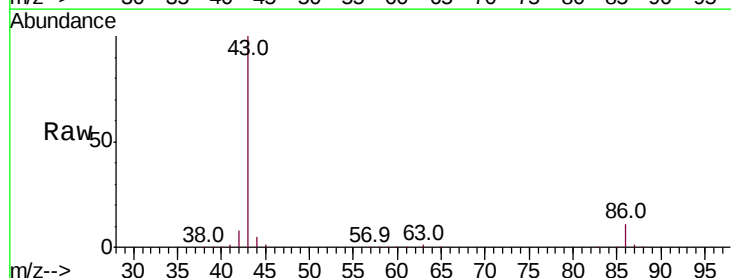
RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

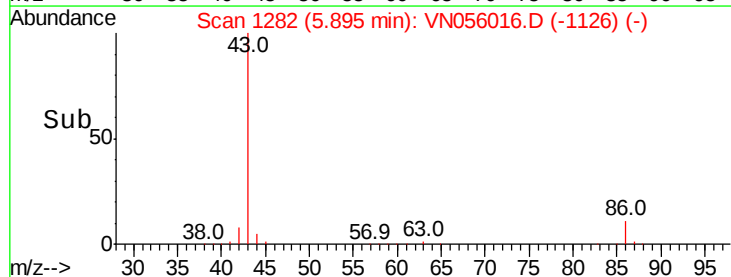
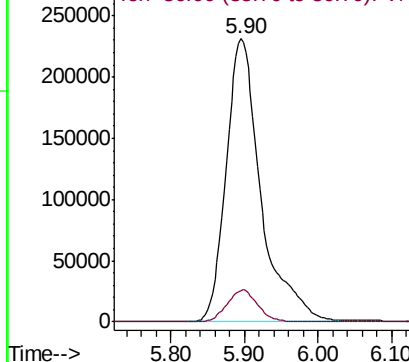
Lab File: VN056016.D

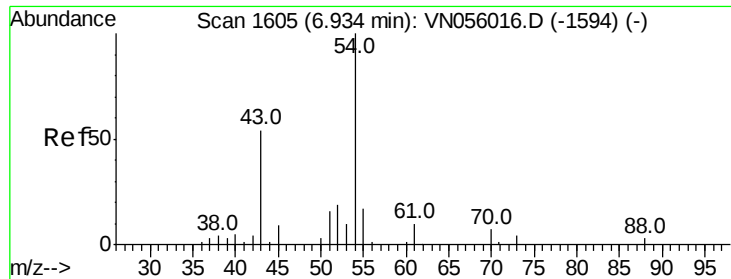
Acq: 5 Jun 2019 19:18

Tgt Ion:	43	Resp:	761051
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.9	11.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





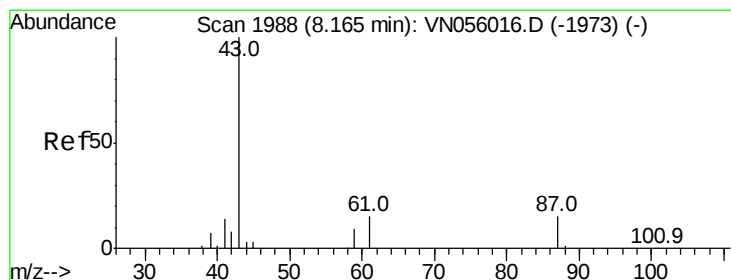
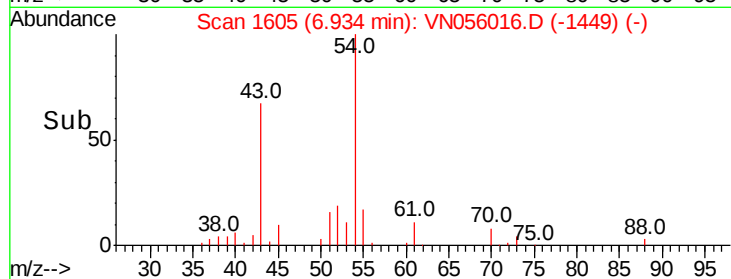
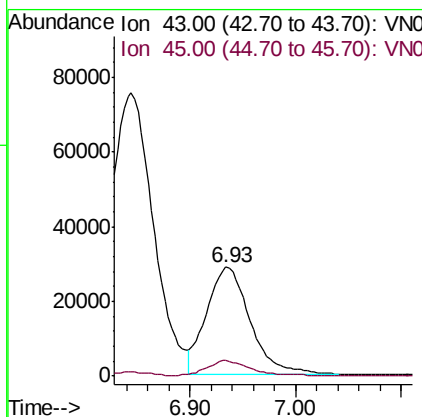
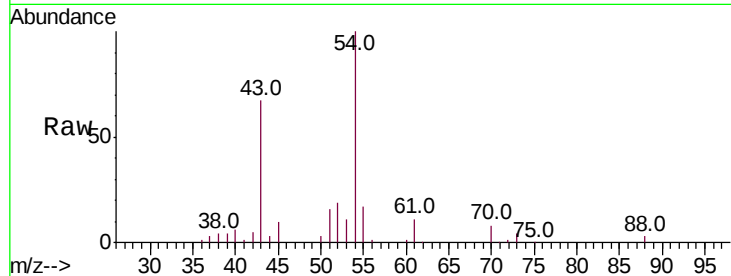
#43
Ethyl Acetate
Concen: 18.885 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 82384
Ion Ratio Lower Upper
43 100
45 15.4 12.3 18.5

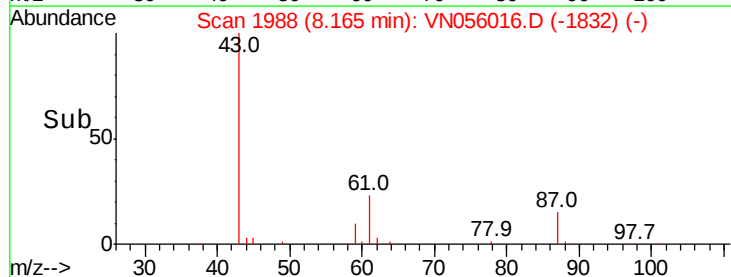
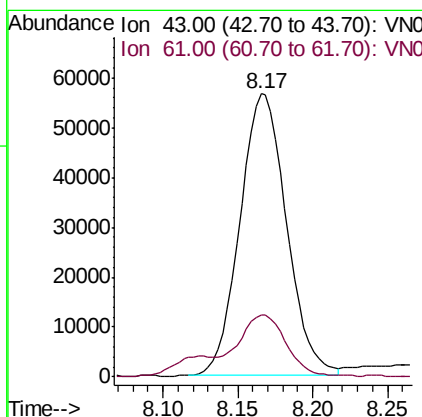
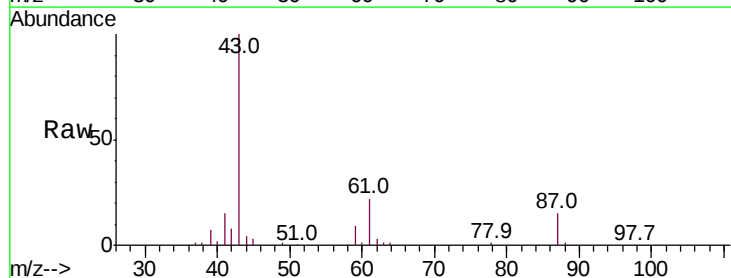
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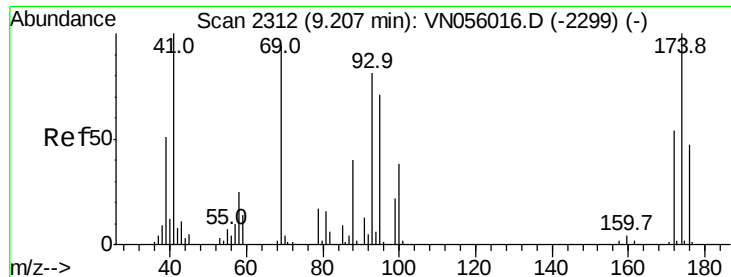
MMDadoda
6/6/2019 10:19:30 AM



#44
Isopropyl Acetate
Concen: 17.228 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 43 Resp: 122812
Ion Ratio Lower Upper
43 100
61 21.1 16.9 25.3





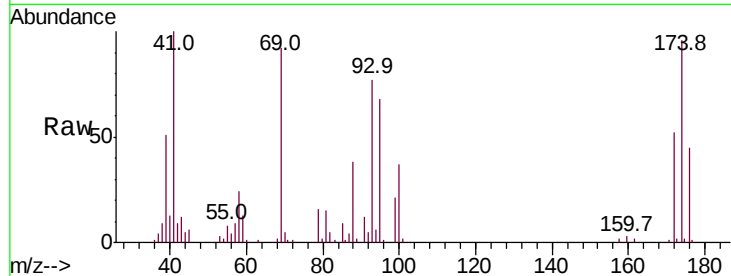
#45
 1,4-Dioxane
 Concen: 395.823 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

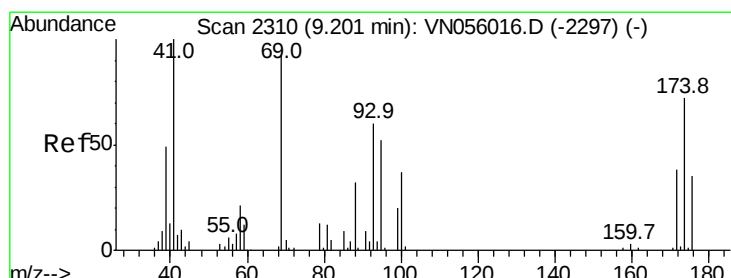
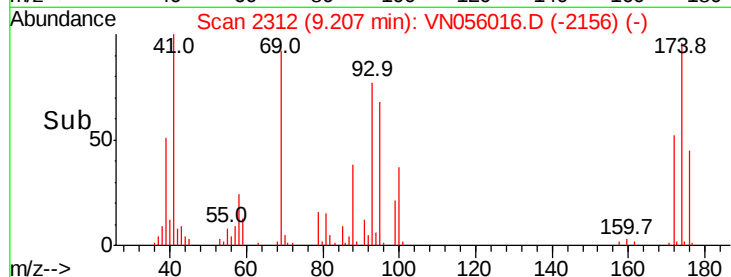
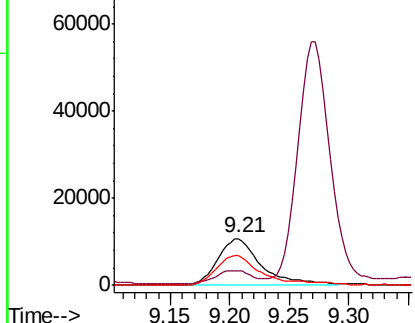
Tot Ion	Ratio	Lower	Upper
88	100		
43	24.7	19.8	29.6
58	60.6	48.5	72.7

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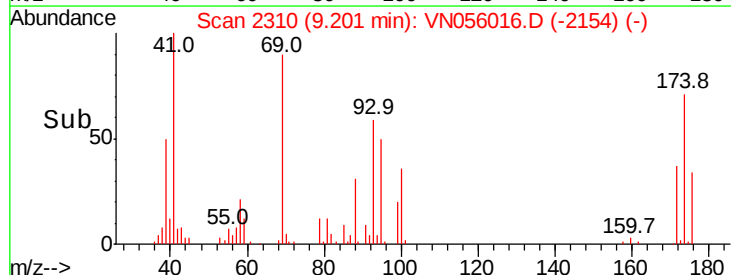
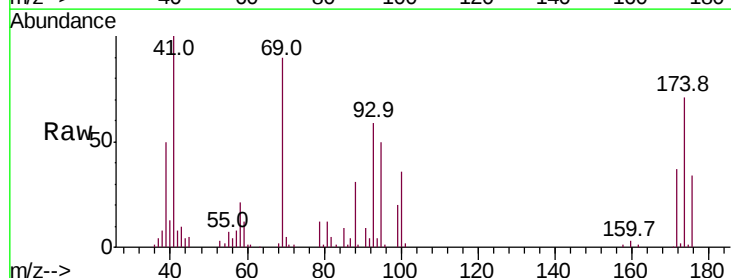
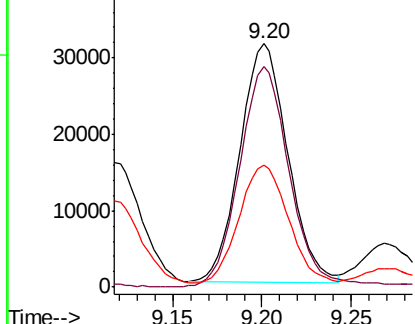
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

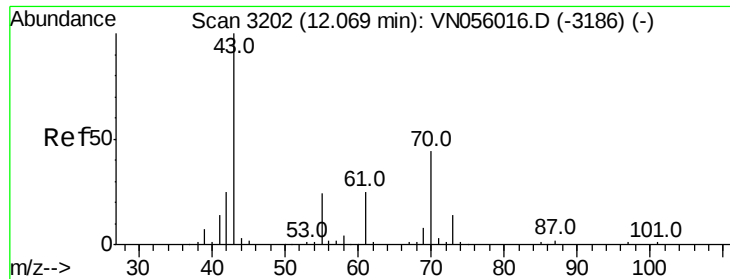


#46
 Methyl methacrylate
 Concen: 17.677 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.9	46.0	137.8
39	49.2	24.6	73.8

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





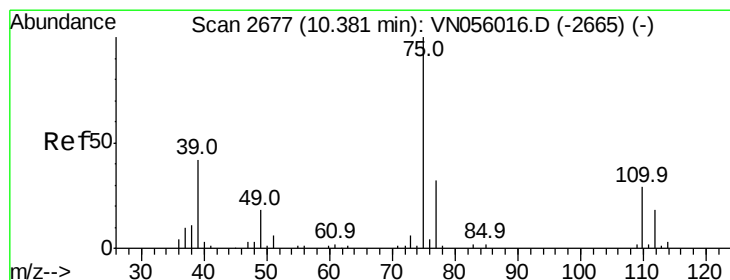
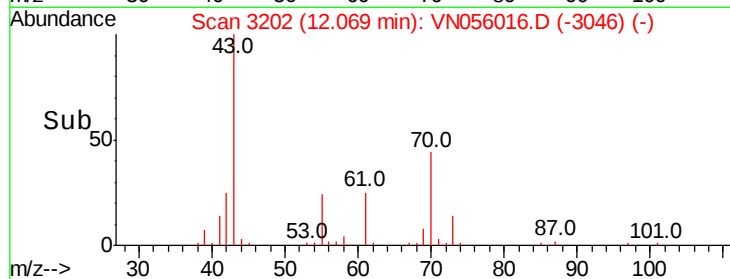
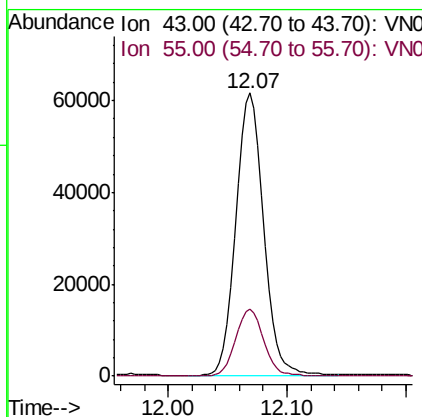
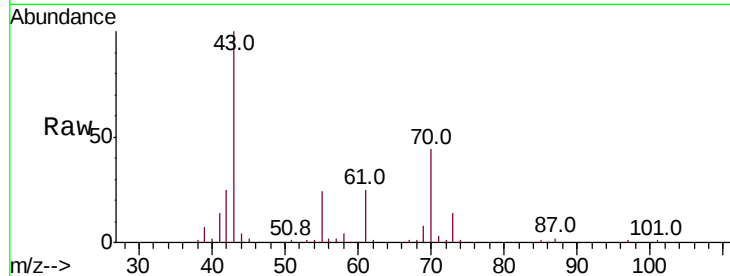
#47
n-amvl Acetate
Concen: 17.093 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 43 Resp: 100458
Ion Ratio Lower Upper
43 100
55 23.8 19.0 28.6

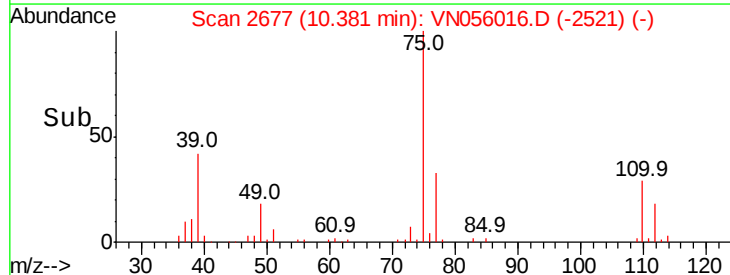
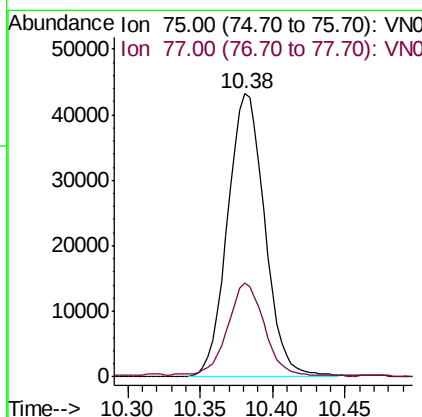
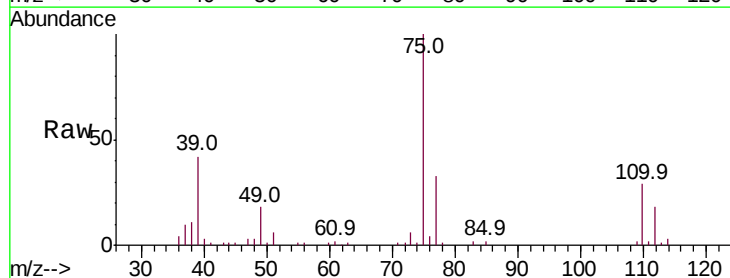
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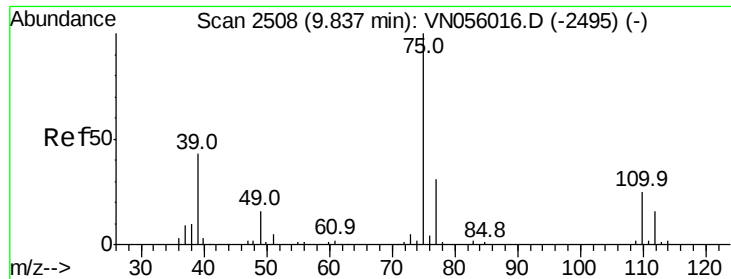
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6/6/2019 10:19:30 AM



#48
t-1,3-Dichloropropene
Concen: 15.736 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion: 75 Resp: 77209
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0





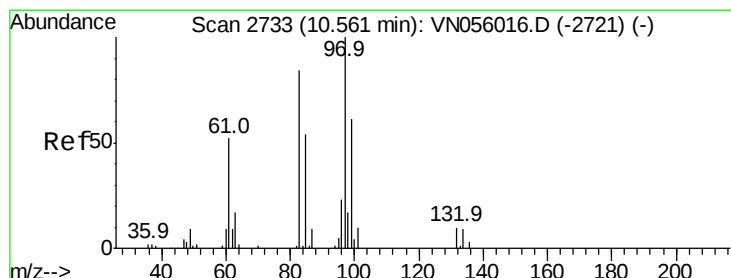
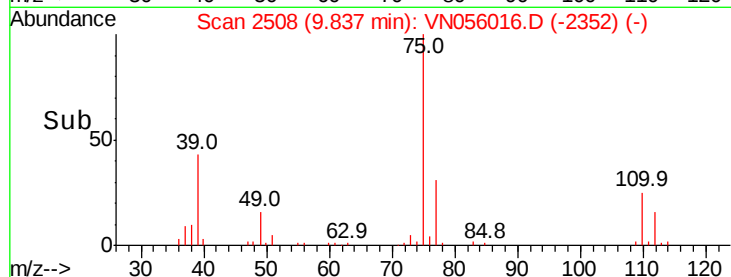
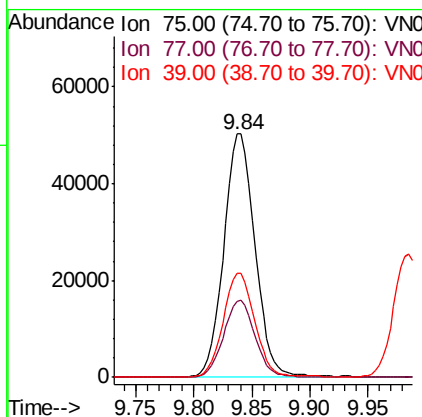
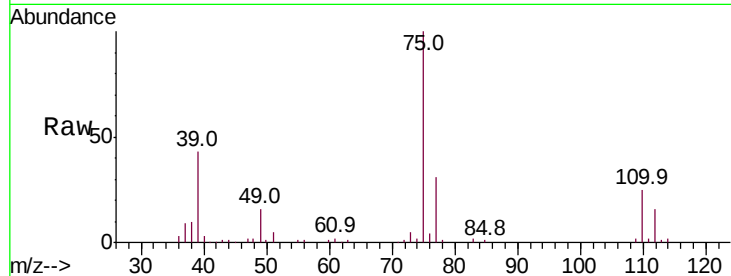
#49
 cis-1,3-Dichloropropene
 Concen: 17.280 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	42.9	34.3	51.5

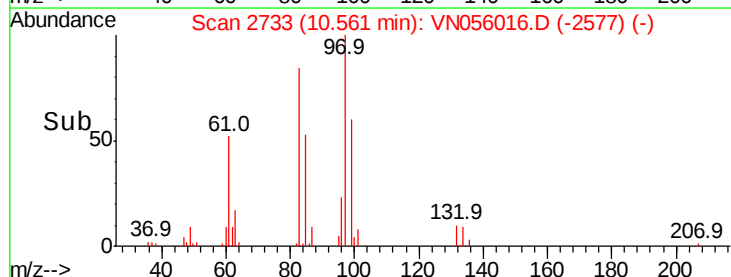
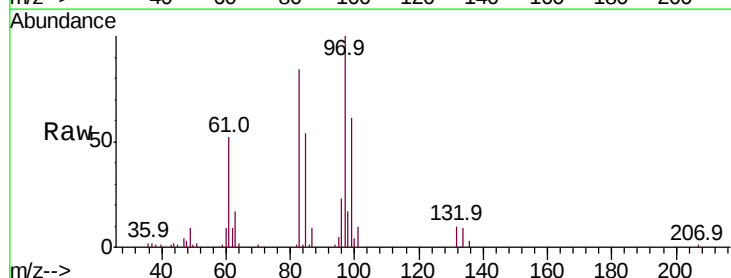
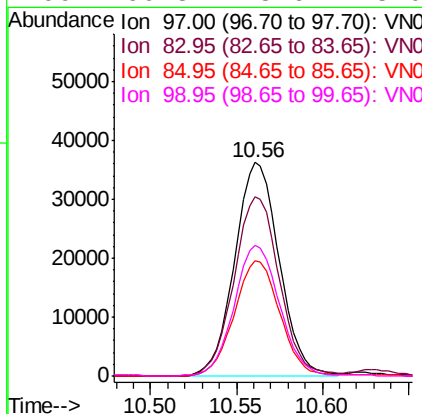
Manual Integrations
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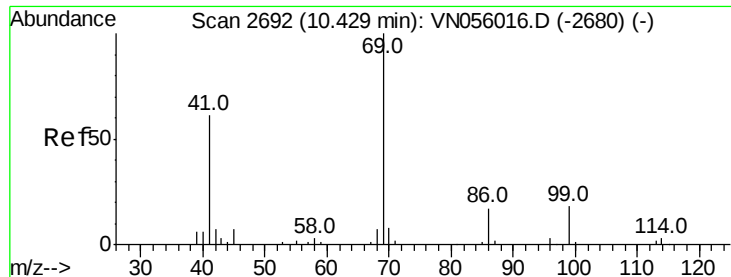
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#50
 1,1,2-Trichloroethane
 Concen: 19.770 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	54.1	43.3	64.9
99	60.8	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.200 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

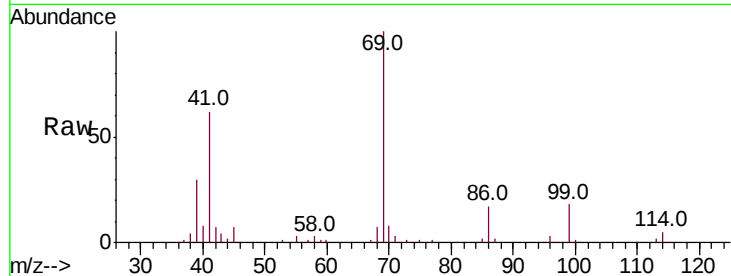
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	95106
Ion	Ratio	Lower	Upper
69	100		
41	61.5	30.8	92.3
39	29.1	14.5	43.6

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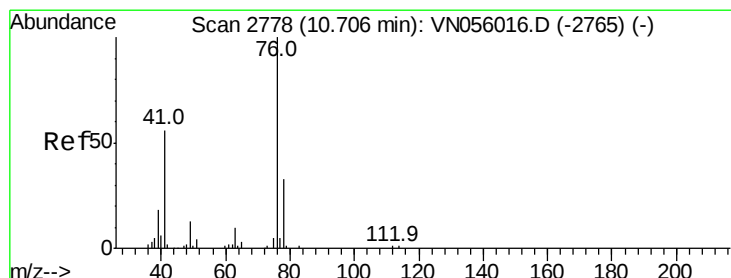
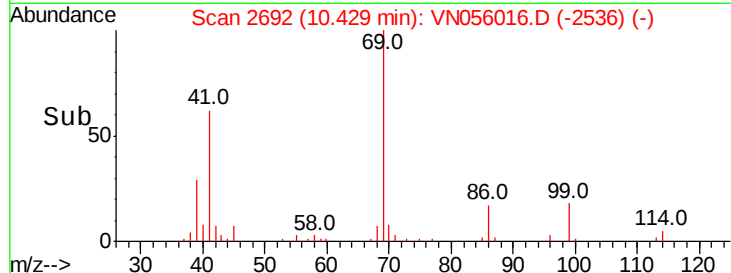
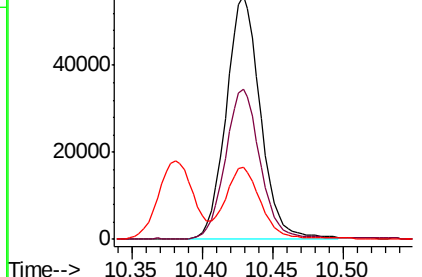
MMDadoda
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Abundance Ion 69.00 (68.70 to 69.70): VN056016.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN056016.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN056016.D (-2680) (-)



#52

1,3-Dichloropropane

Concen: 19.654 ug/l

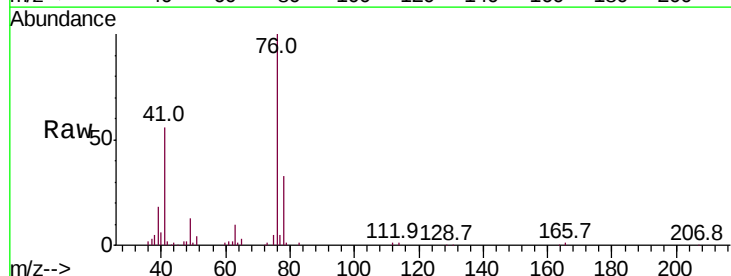
RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056016.D

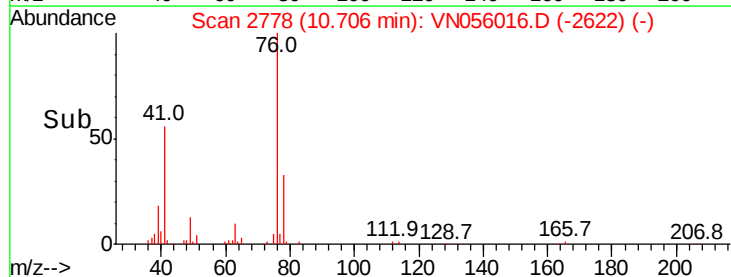
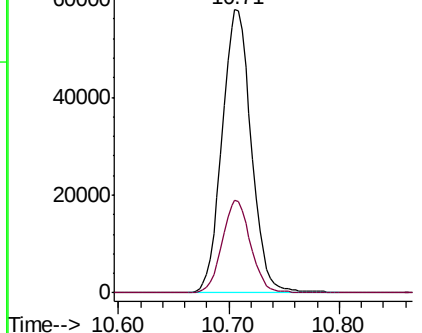
Acq: 5 Jun 2019 19:18

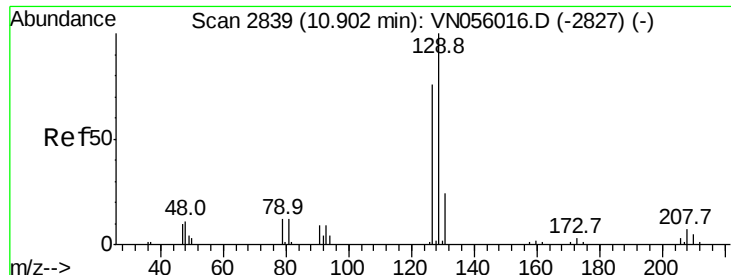
Tgt Ion:	76	Resp:	106545
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VN056016.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056016.D (-2765) (-)





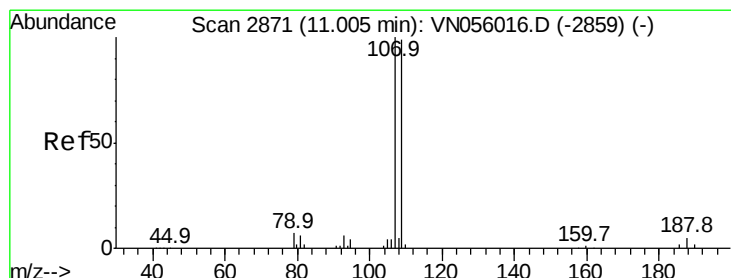
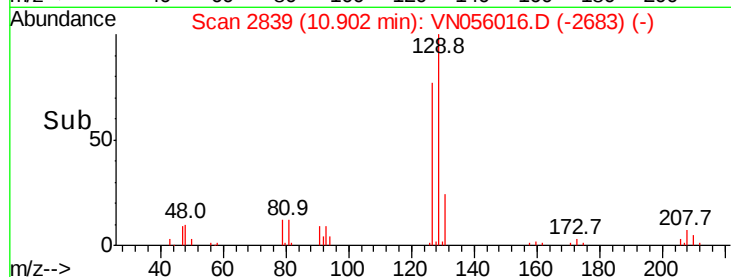
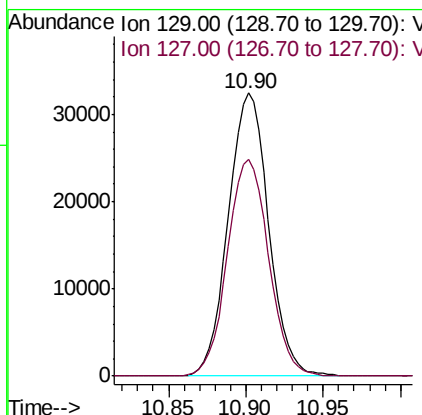
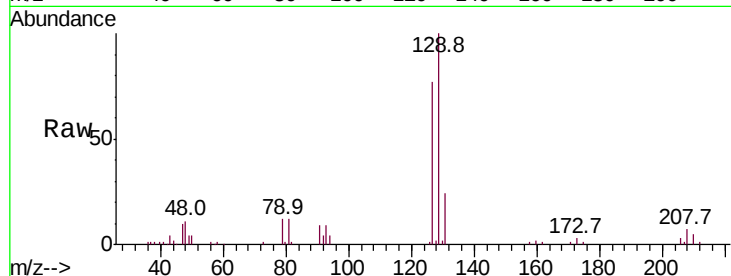
#53
Dibromochloromethane
Concen: 15.763 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 58826
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.5

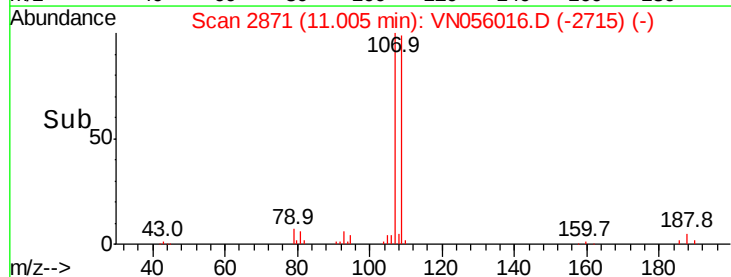
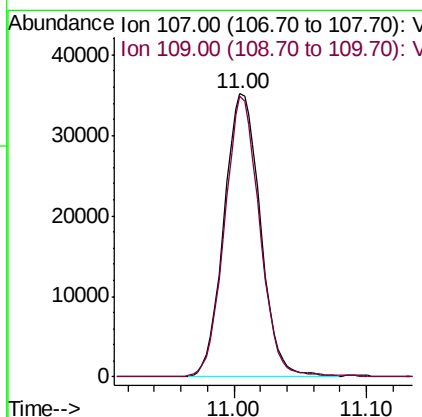
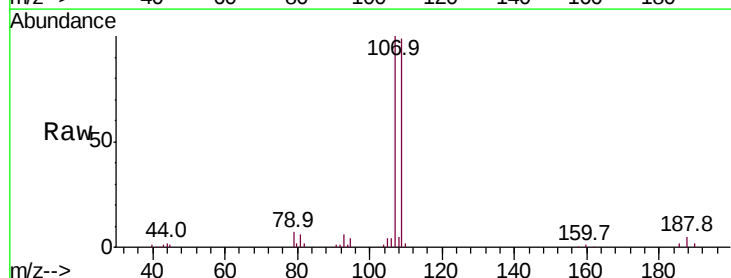
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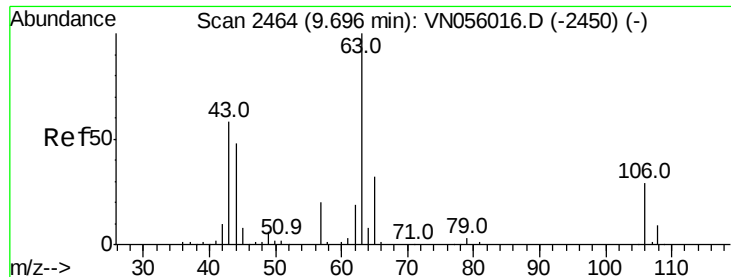
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#54
1,2-Dibromoethane
Concen: 19.596 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion:107 Resp: 66912
Ion Ratio Lower Upper
107 100
109 96.0 76.8 115.2





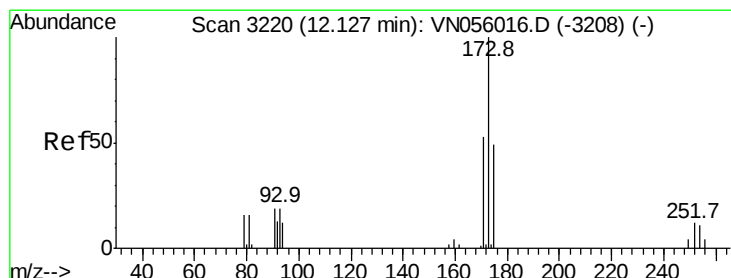
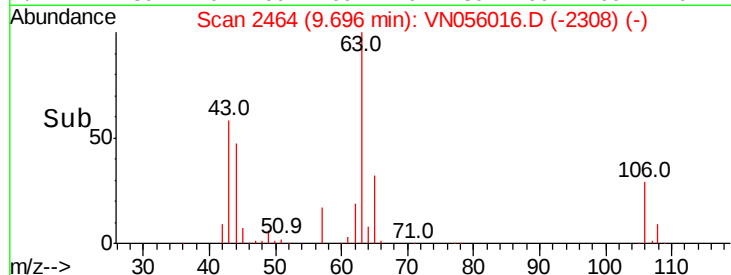
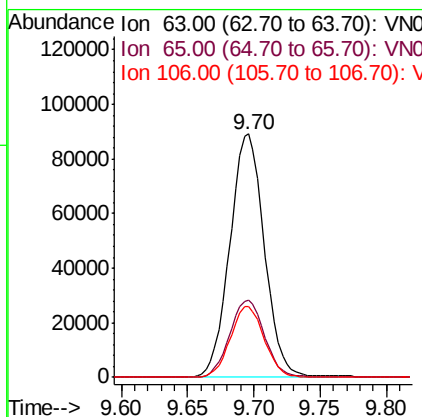
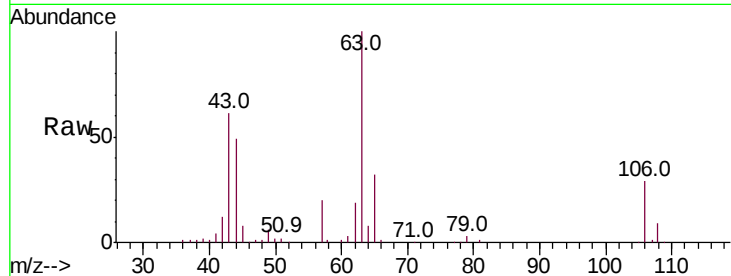
#55
 2-Chloroethyl vinyl ether
 Concen: 80.851 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	28.7	23.0	34.4

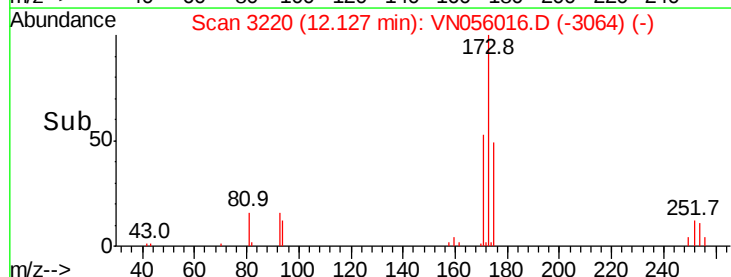
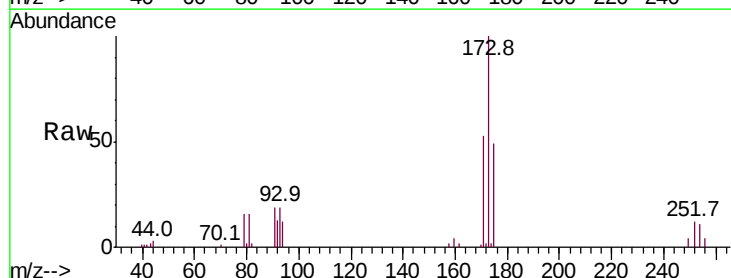
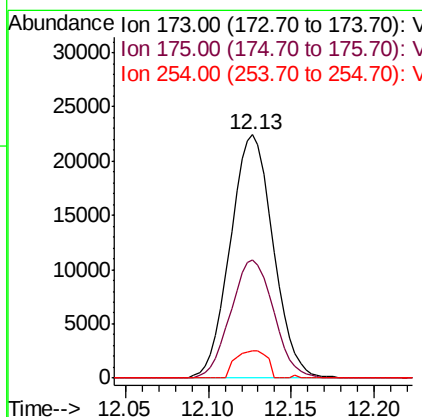
Manual Integrations
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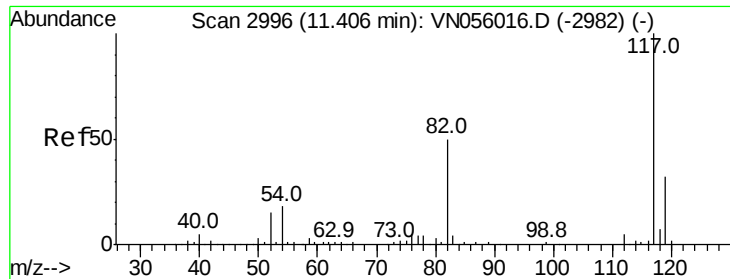
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#56
 Bromoform
 Concen: 13.606 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.7	58.1
254	8.2	6.6	9.8





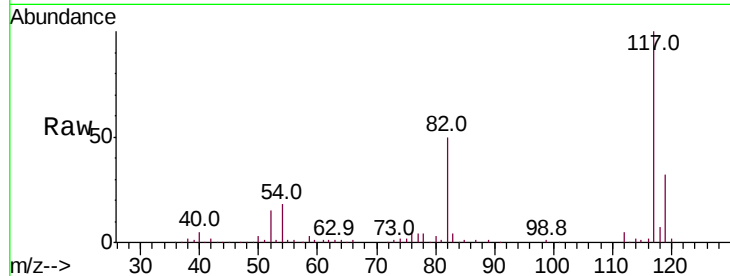
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

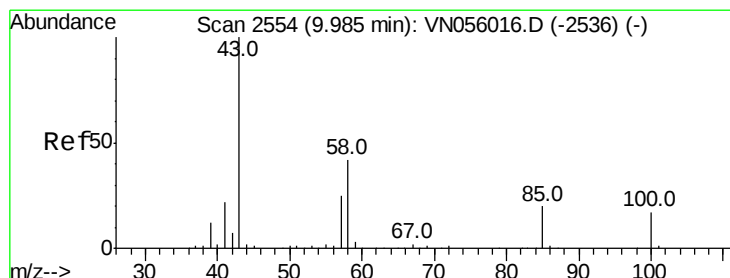
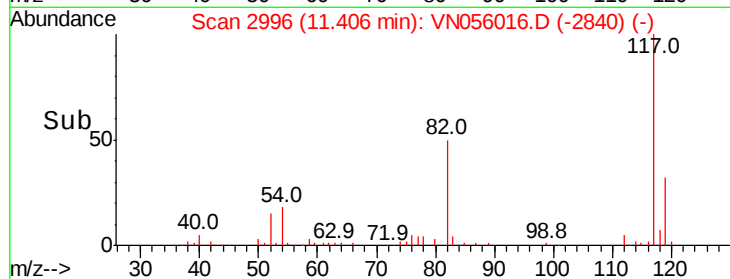
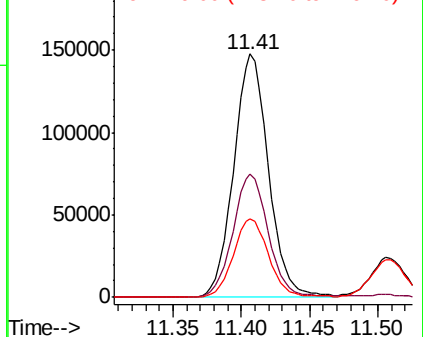
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.2	61.8
119	32.7	26.2	39.2

Manual Integrations
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6/6/2019 10:19:30 AM

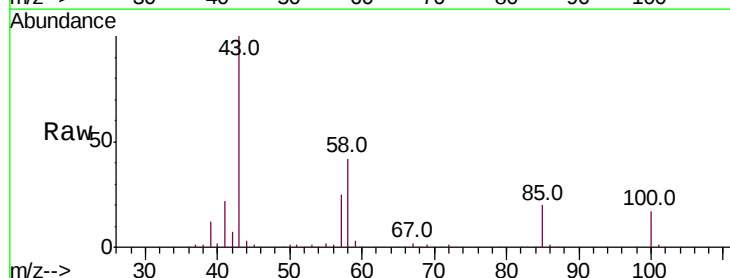


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

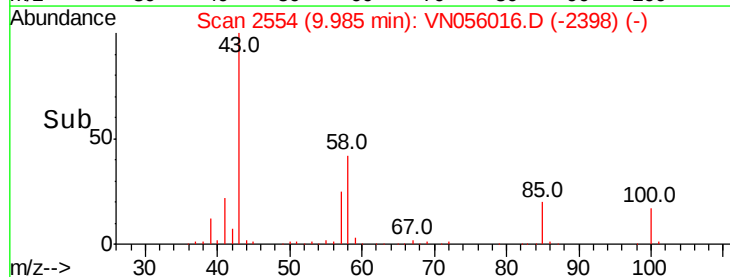
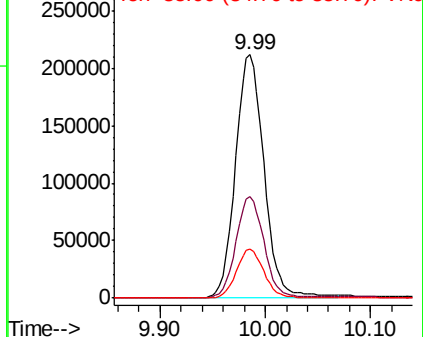


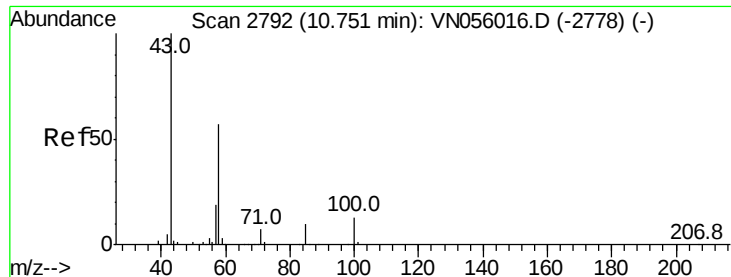
#58
4-Methyl-2-Pentanone
Concen: 93.832 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.1	49.7
85	19.4	15.5	23.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





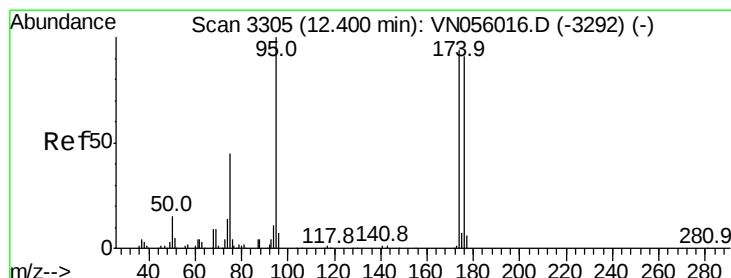
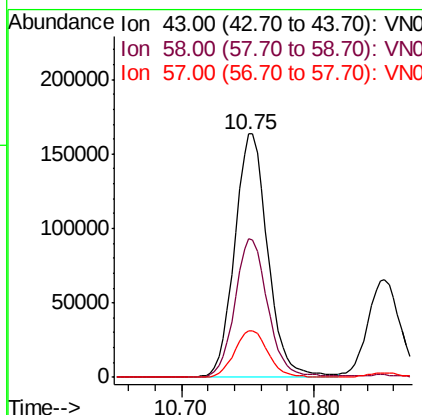
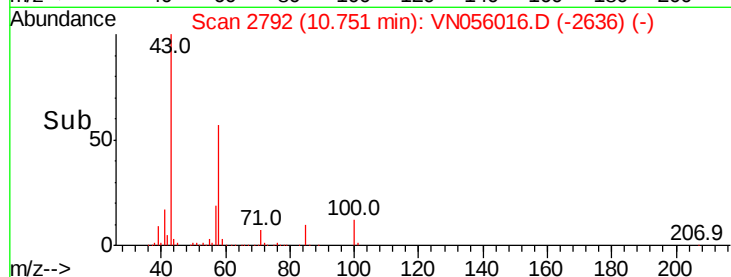
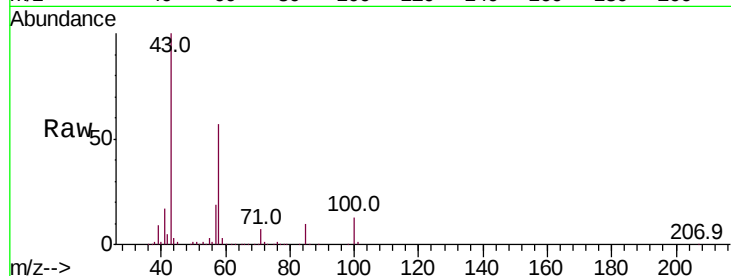
#59
2-Hexanone
Concen: 93.511 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.3	67.9
57	19.5	15.6	23.4

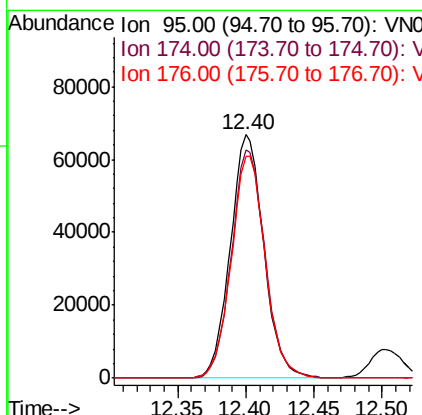
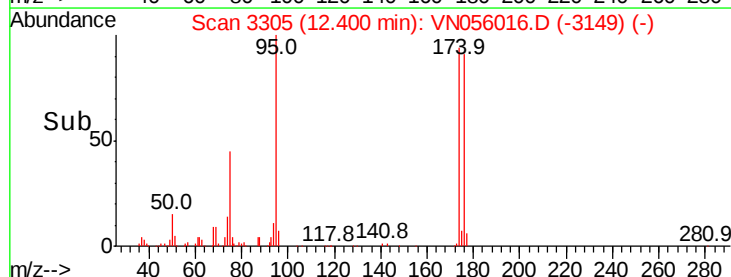
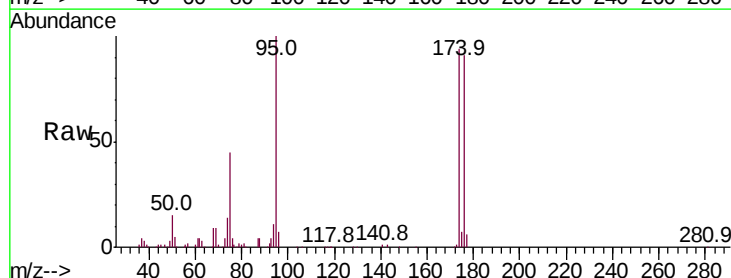
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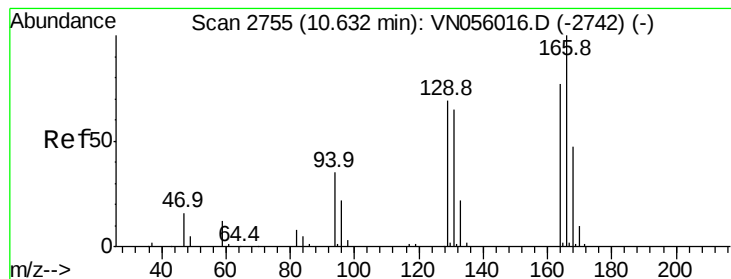
MMDadoda
6/6/2019 10:19:30 AM



#60
4-Bromofluorobenzene
Concen: 28.226 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	75.4	113.0
176	92.4	73.9	110.9





#61

Tetrachloroethene

Concen: 21.113 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:164 Resp: 75105

Ion Ratio Lower Upper

164 100

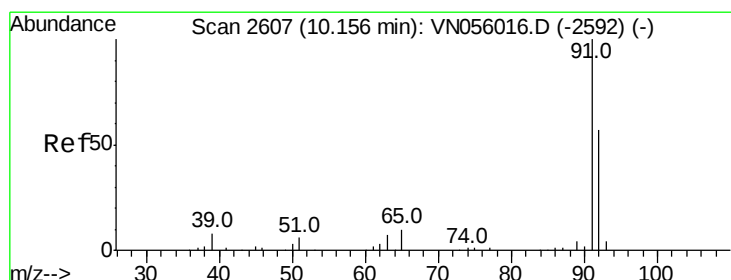
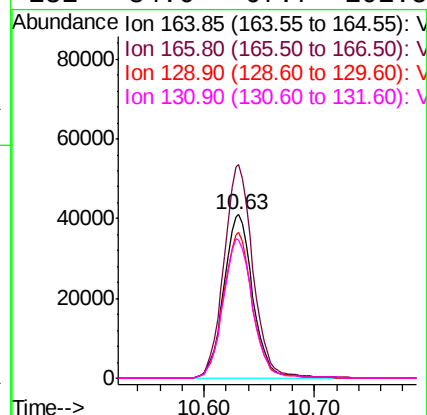
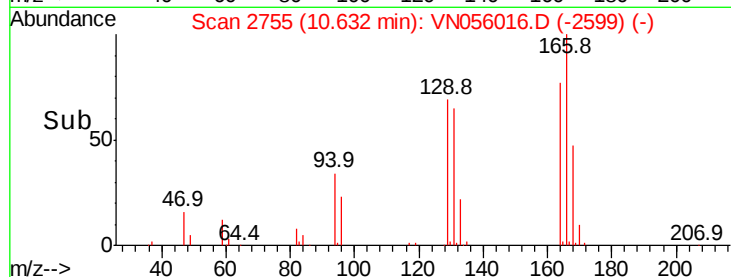
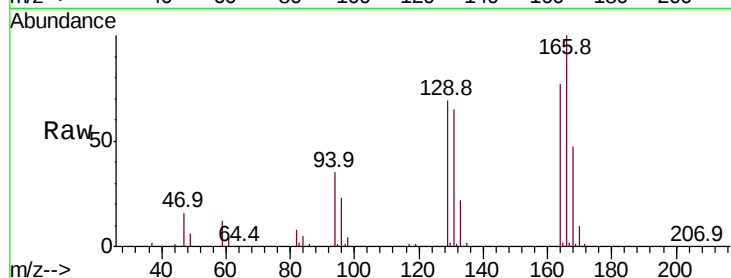
166 130.4 104.3 156.5

129 89.4 71.5 107.3

131 84.6 67.7 101.5

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#62

Toluene

Concen: 20.274 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056016.D

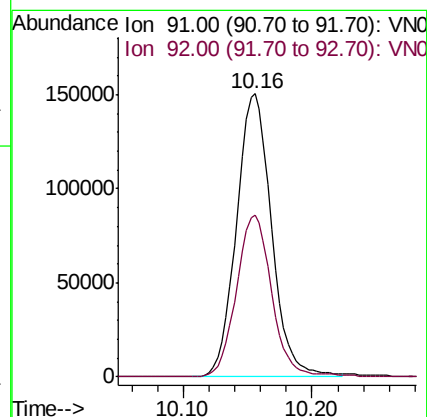
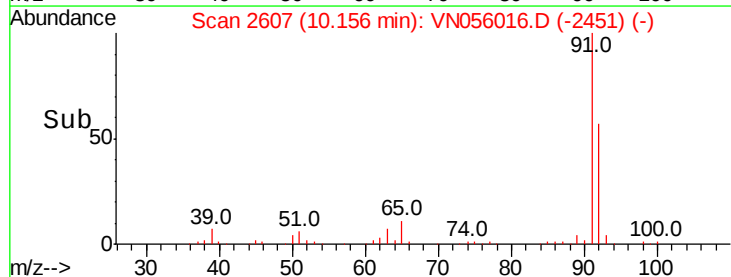
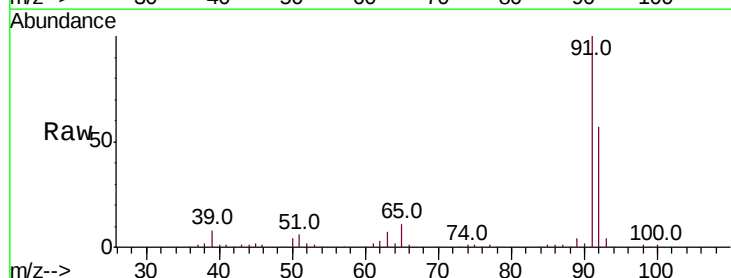
Acq: 5 Jun 2019 19:18

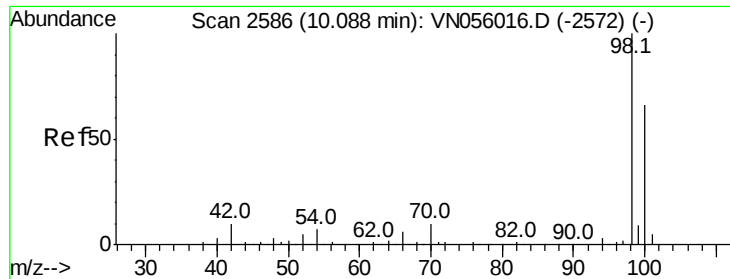
Tgt Ion: 91 Resp: 284859

Ion Ratio Lower Upper

91 100

92 56.9 45.5 68.3





#63

Toluene-d8

Concen: 30.500 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 365078

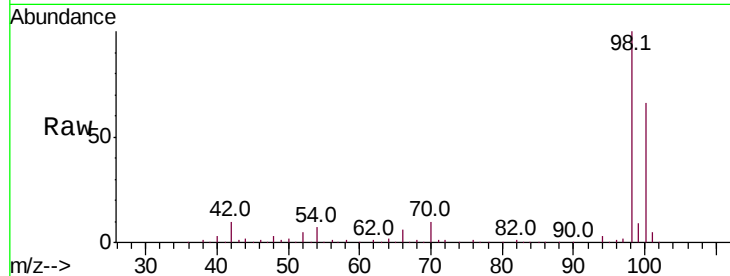
Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4

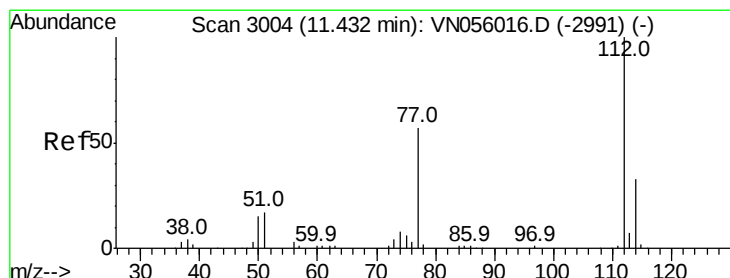
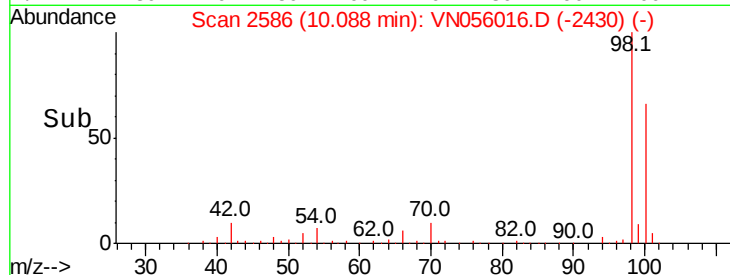
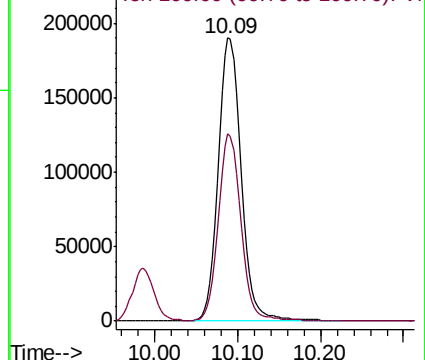
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Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)



#64

Chlorobenzene

Concen: 20.040 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056016.D

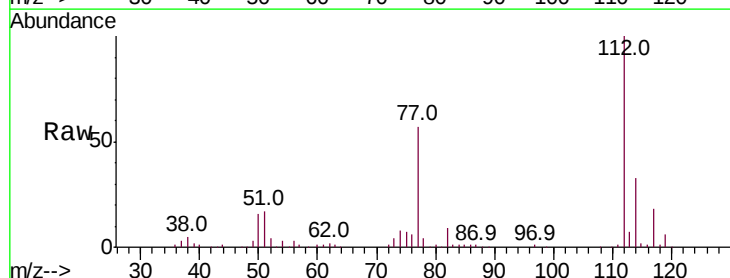
Acq: 5 Jun 2019 19:18

Tgt Ion: 112 Resp: 170664

Ion Ratio Lower Upper

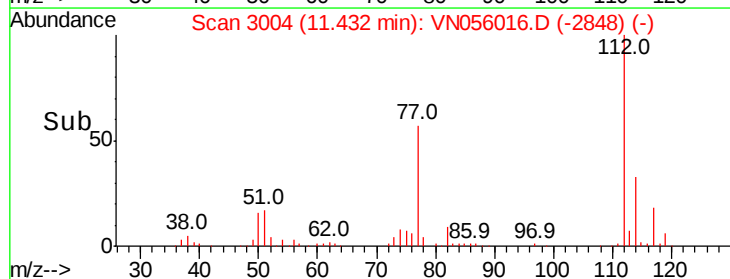
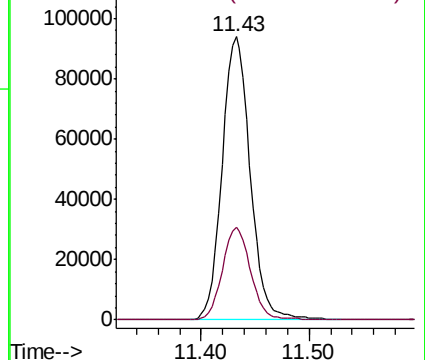
112 100

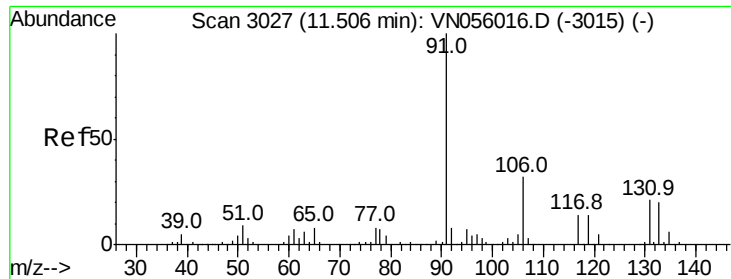
114 32.6 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)





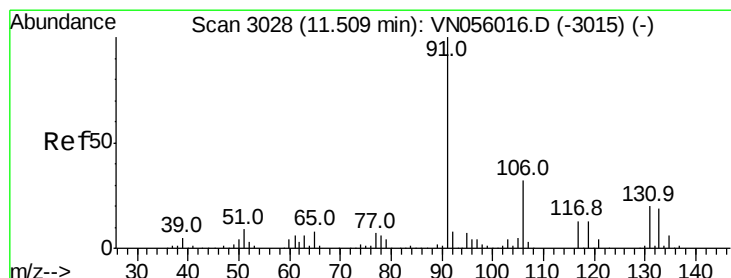
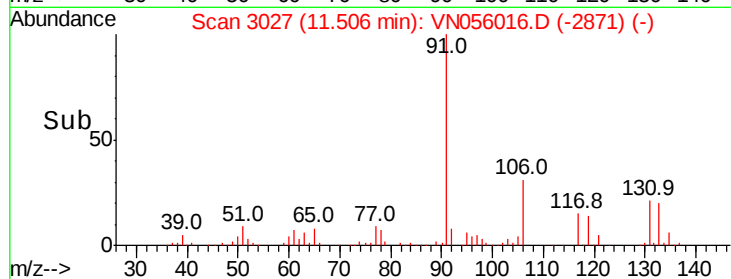
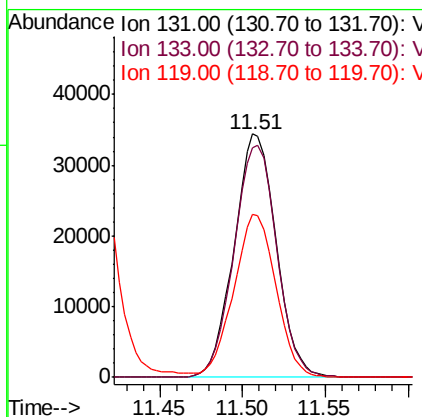
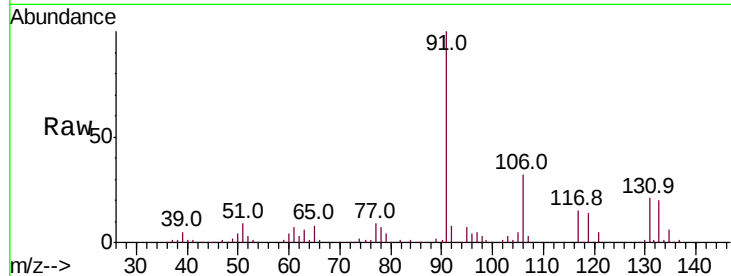
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.177 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.9	0.0	193.8
119	67.2	0.0	134.4

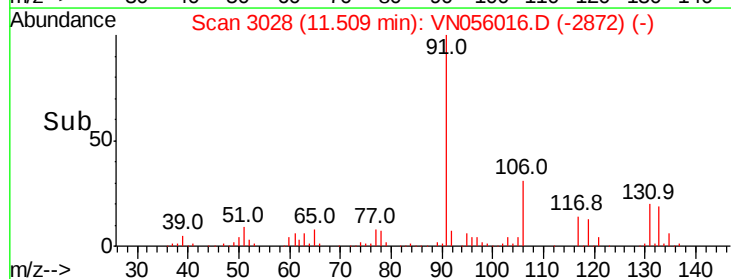
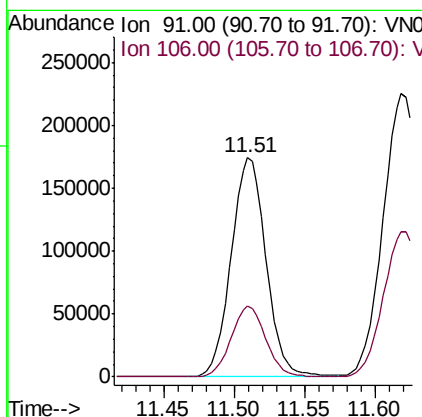
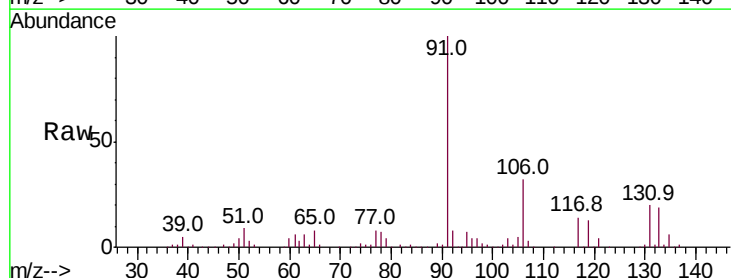
Manual Integrations
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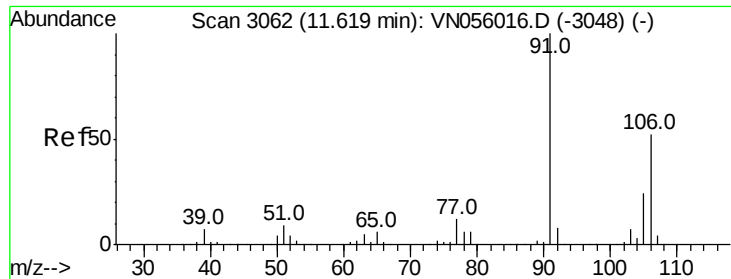
MMDadoda
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#66
 Ethyl Benzene
 Concen: 19.795 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.7	38.5





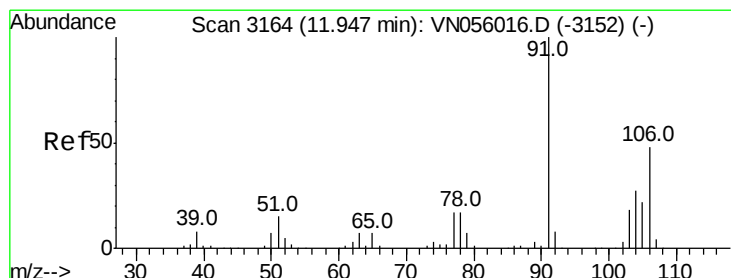
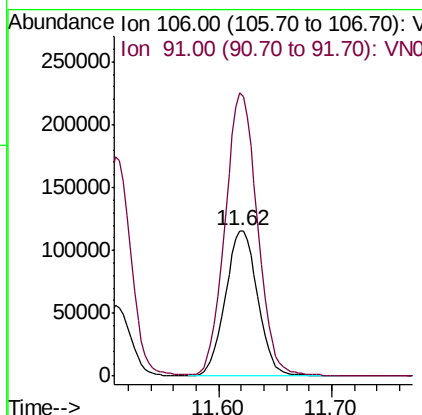
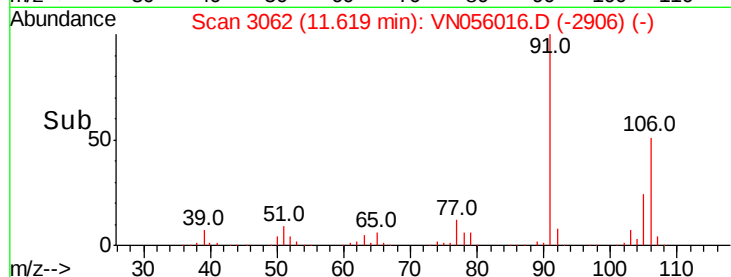
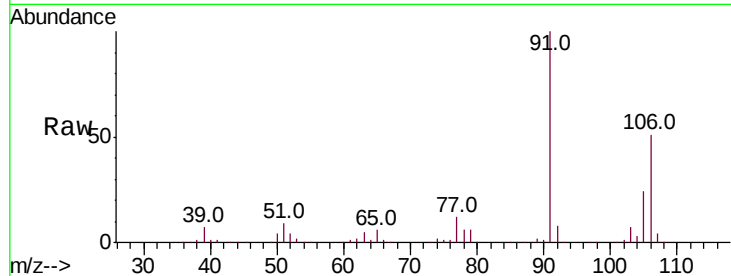
#67
m/p-Xvlenes
Concen: 39.788 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 231018
Ion Ratio Lower Upper
106 100
91 194.6 155.7 233.5

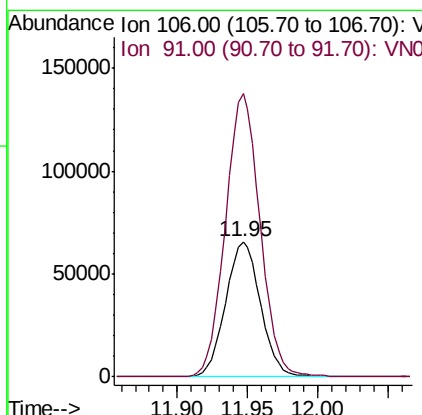
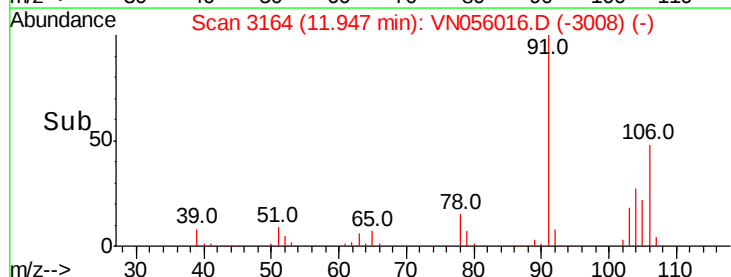
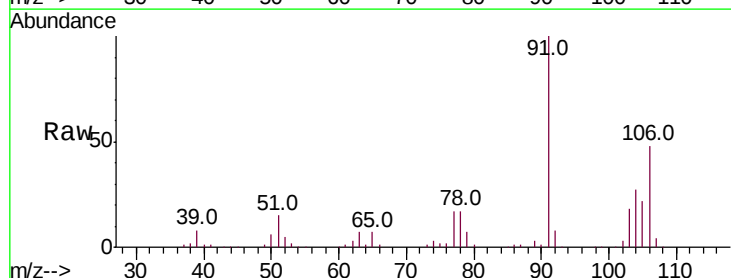
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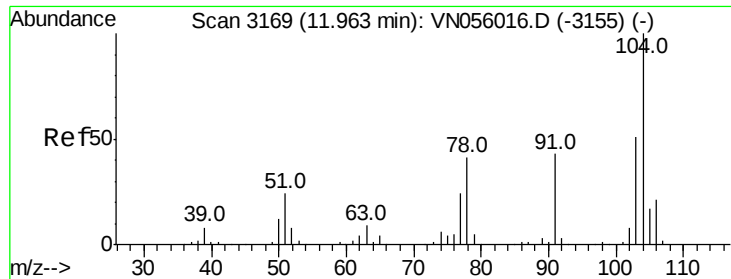
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#68
o-Xylene
Concen: 19.816 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion:106 Resp: 113580
Ion Ratio Lower Upper
106 100
91 207.8 103.9 311.7





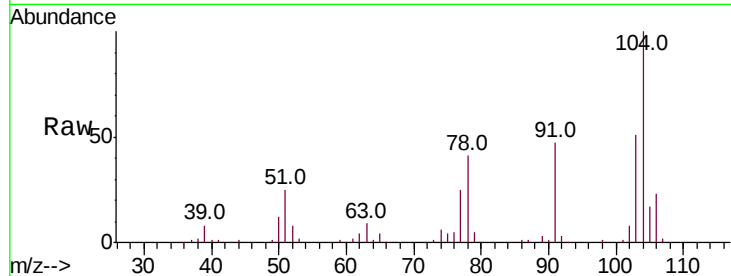
#69
Stvrene
Concen: 18.971 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

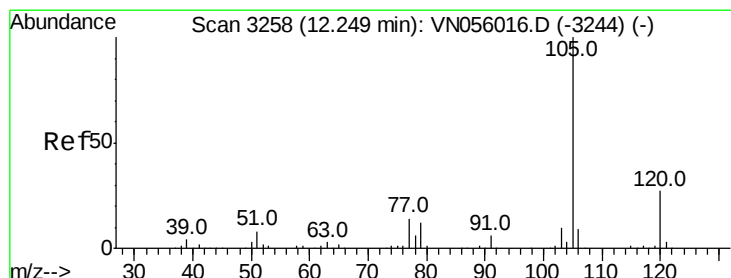
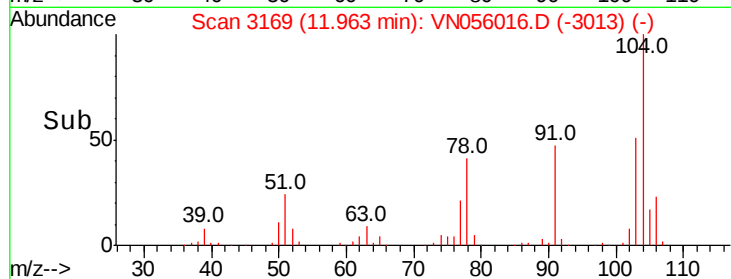
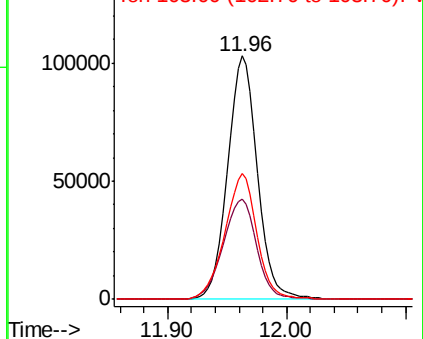
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.0	55.6
103	55.5	44.4	66.6

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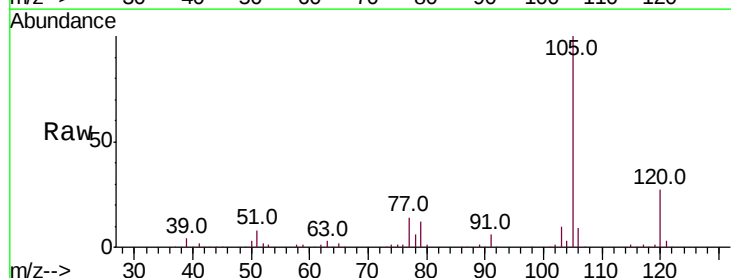


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

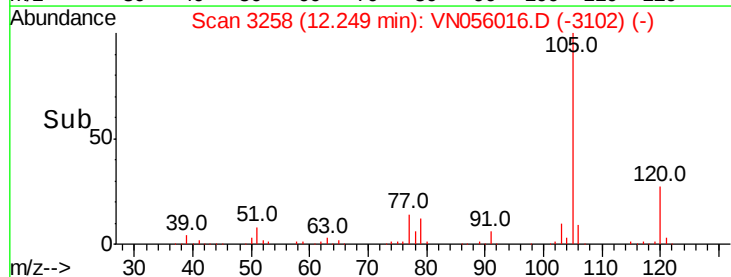
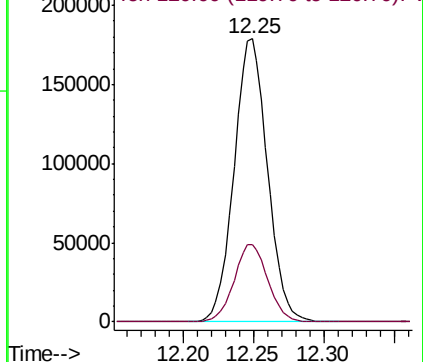


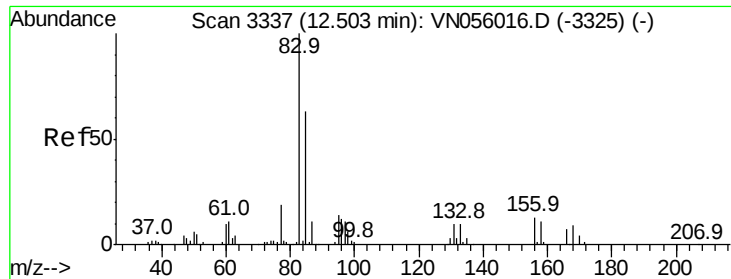
#70
Isopropylbenzene
Concen: 19.767 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	19.3	35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





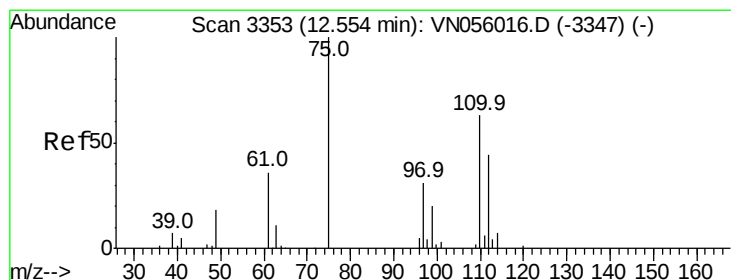
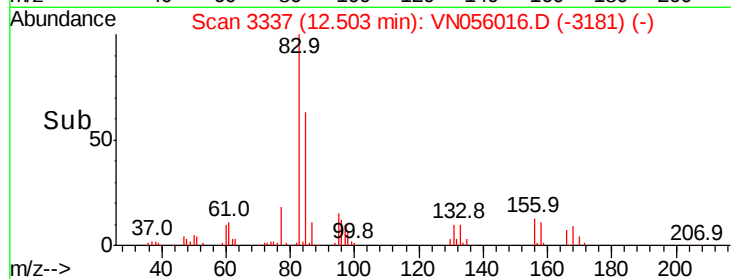
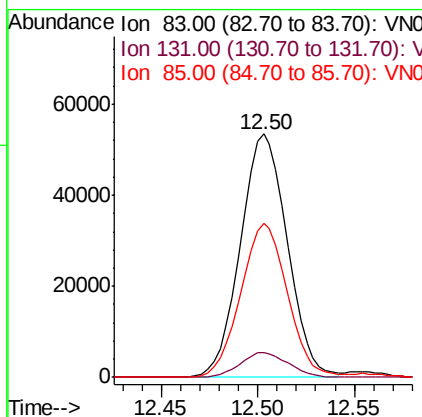
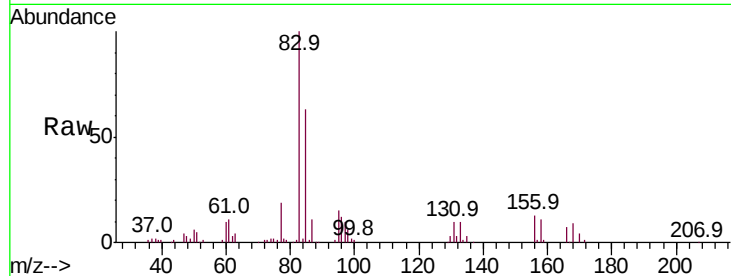
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.628 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	63.1	31.6	94.7

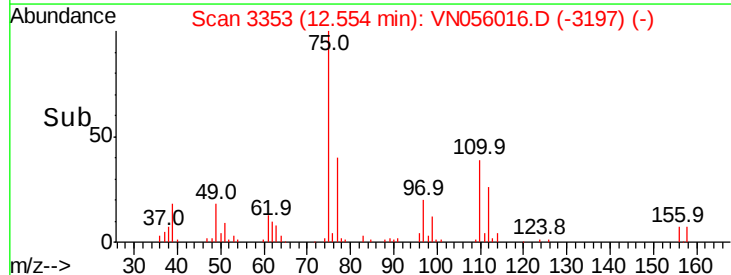
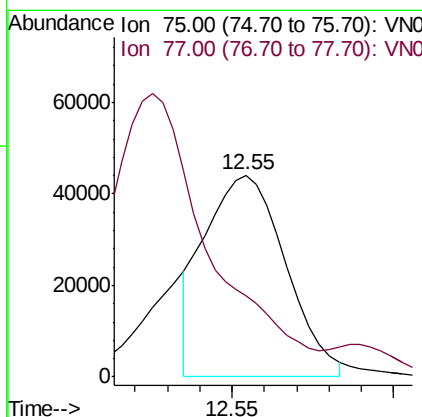
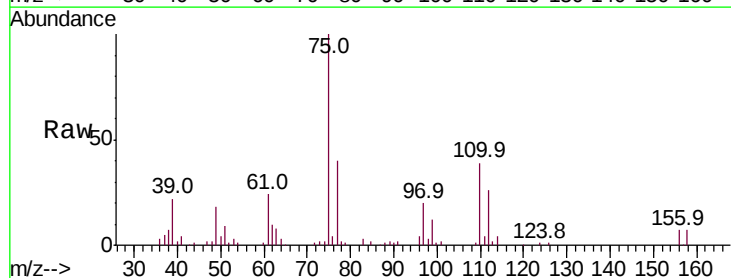
Manual Integrations
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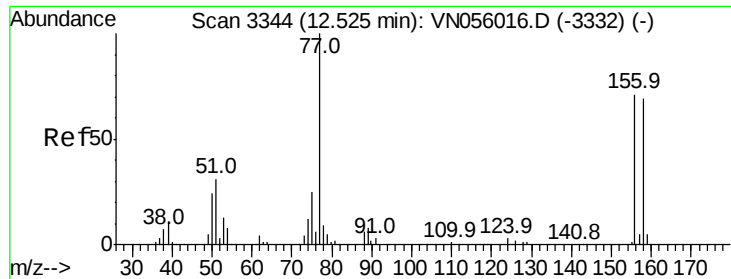
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#72
 1,2,3-Trichloropropane
 Concen: 19.468 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	176.0	0.0	350.0





#73

Bromobenzene

Concen: 19.364 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

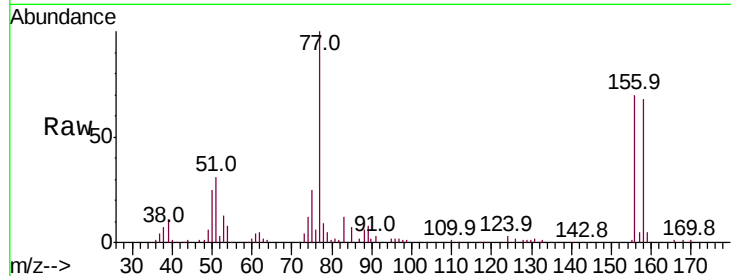
ClientSampleId :

VSTDICCC020

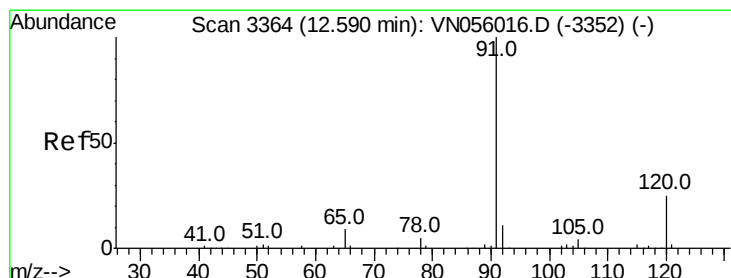
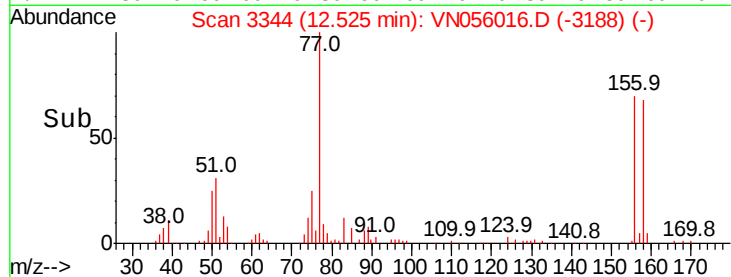
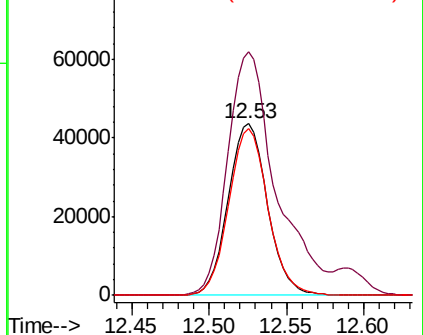
Tot Ion:	156	Resp:	76856
Ion Ratio	Lower	Upper	
156	100		
77	175.4	0.0	350.8
158	96.6	0.0	193.2

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.816 ug/l

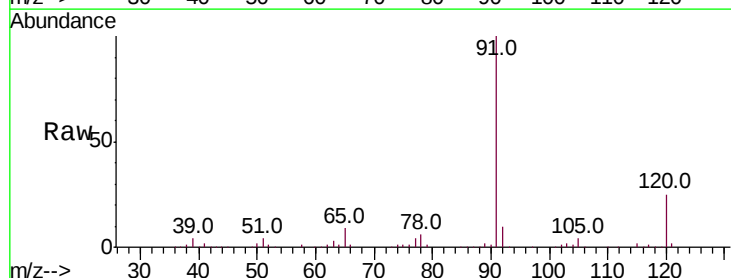
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

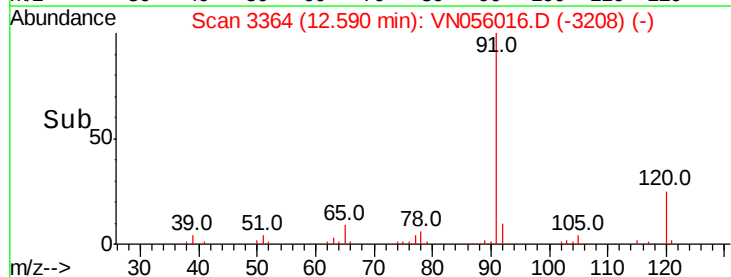
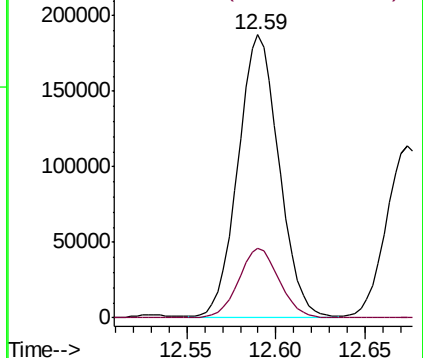
Lab File: VN056016.D

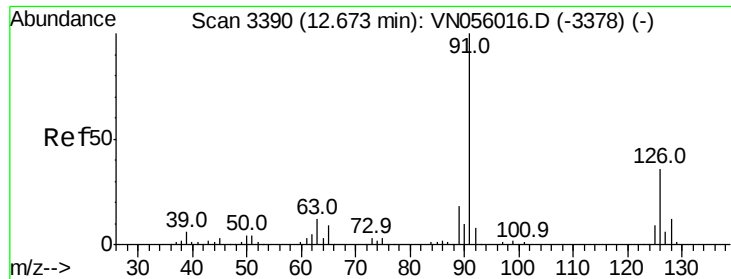
Acq: 5 Jun 2019 19:18

Tgt Ion:	91	Resp:	302298
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	48.6



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.335 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 190169

Ion Ratio Lower Upper

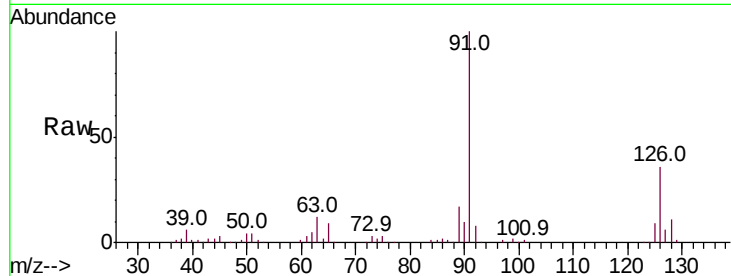
91 100

126 36.2 0.0 72.4

Manual Integrations
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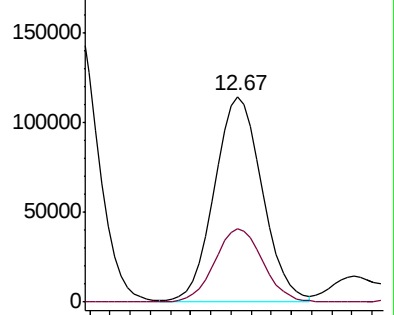
MMDadoda

6/6/2019 10:19:30 AM

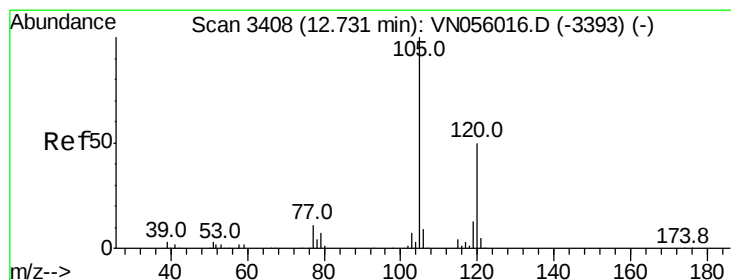
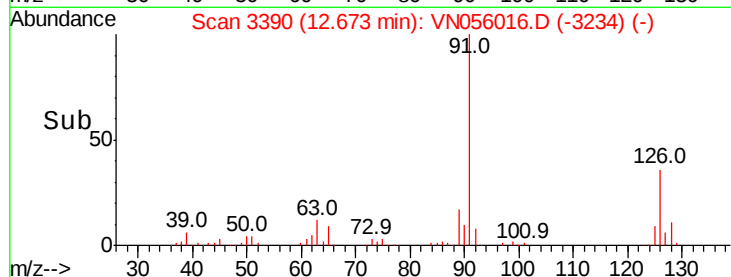


Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3378) (-)



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.551 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056016.D

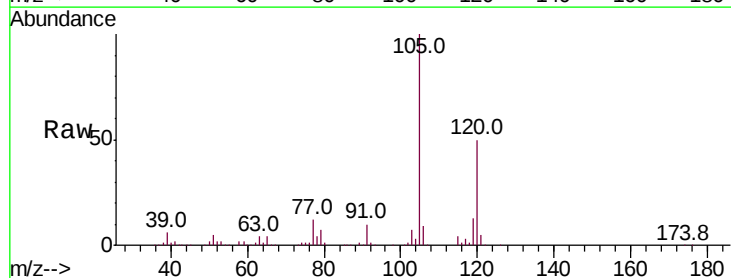
Acq: 5 Jun 2019 19:18

Tgt Ion: 105 Resp: 241775

Ion Ratio Lower Upper

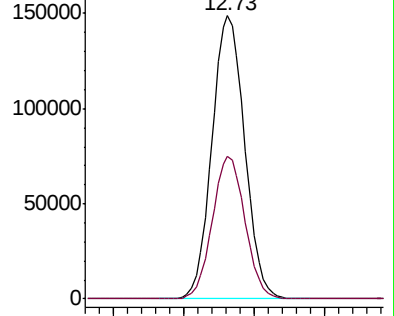
105 100

120 50.3 0.0 100.6

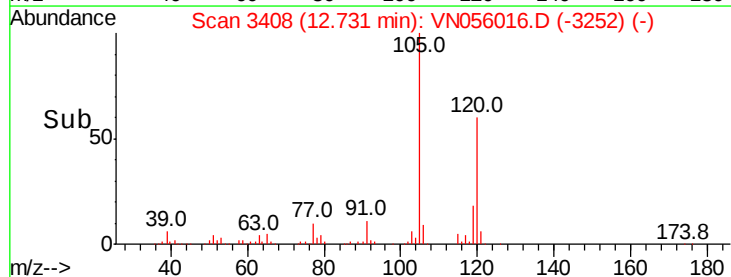


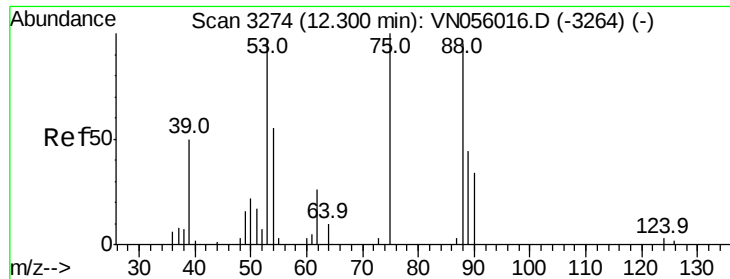
Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056016.D (-3393) (-)



Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 12.818 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

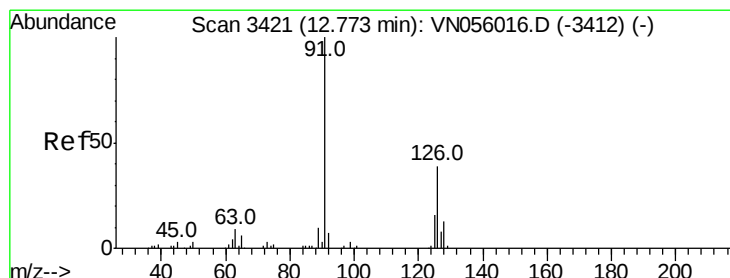
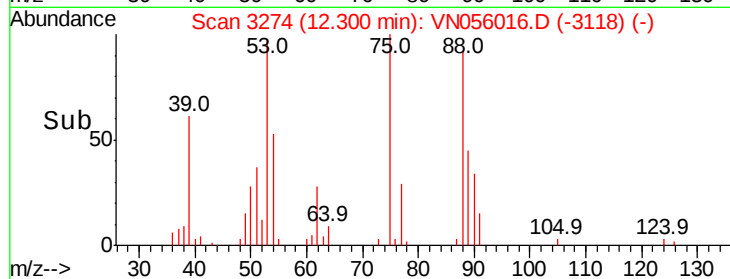
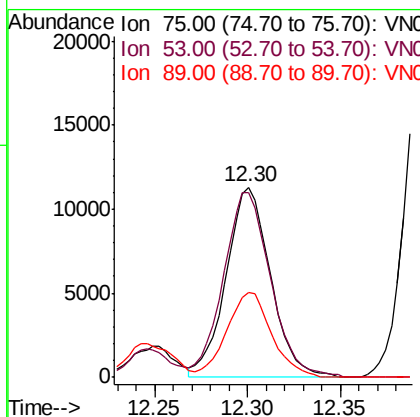
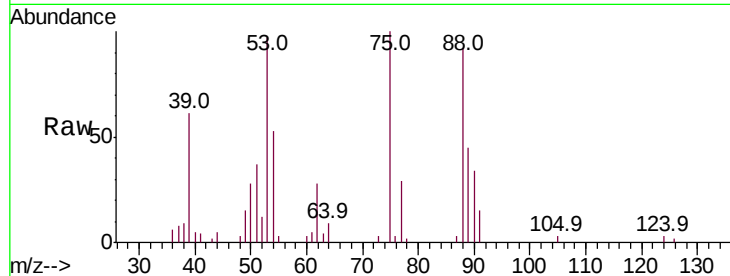
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	18843
Ion	Ratio	Lower	Upper
75	100		
53	96.0	48.0	144.0
89	45.0	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.430 ug/l

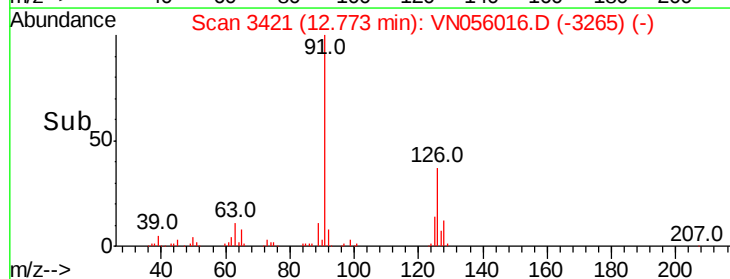
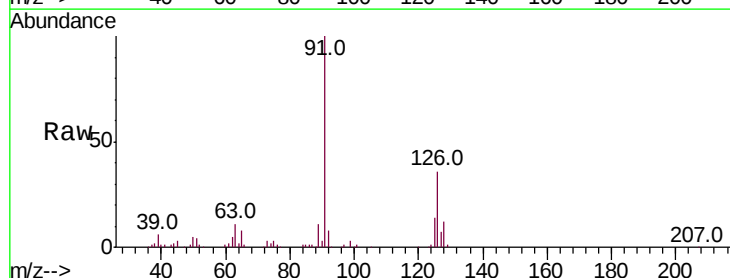
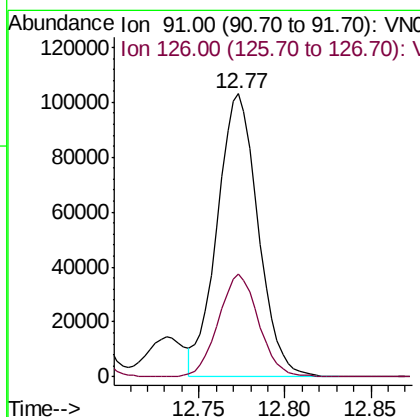
RT: 12.77 min Scan# 3421

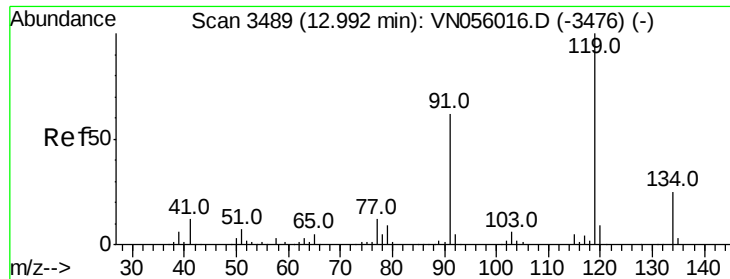
Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Tgt Ion:	91	Resp:	171074
Ion	Ratio	Lower	Upper
91	100		
126	35.9	0.0	71.8





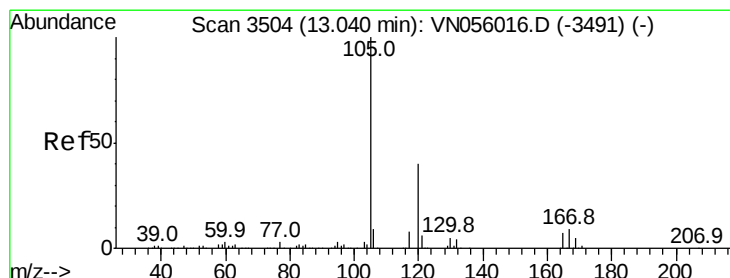
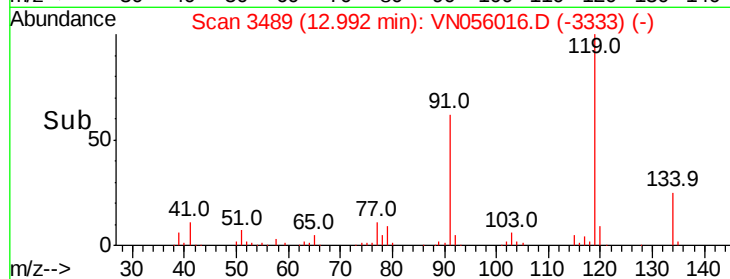
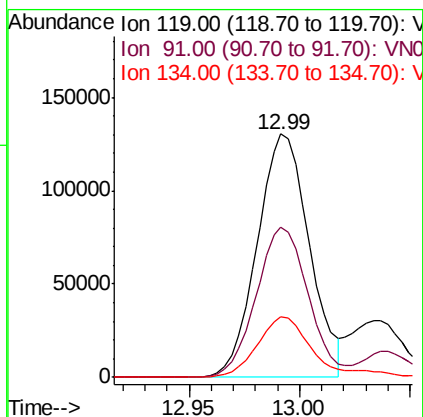
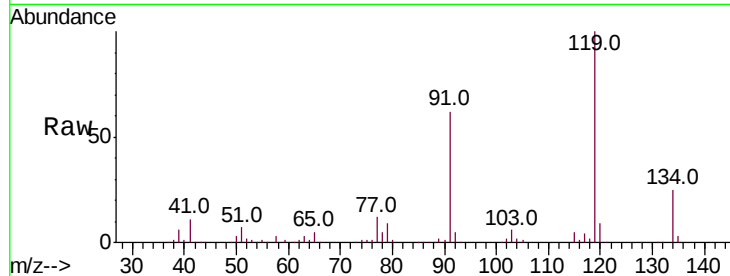
#79
tert-butylbenzene
Concen: 19.652 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213313		
91	61.4	0.0	122.8	
134	25.1	0.0	50.2	

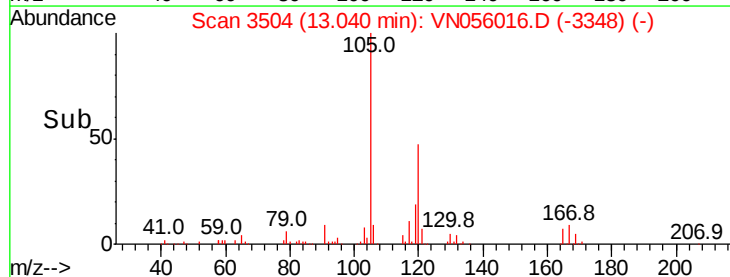
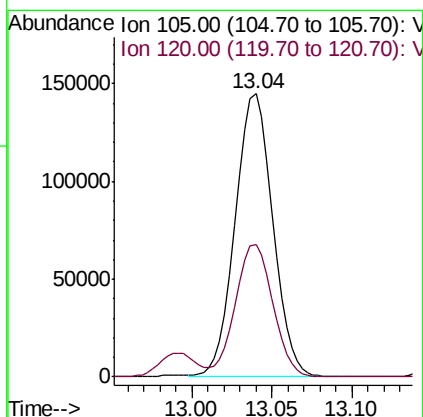
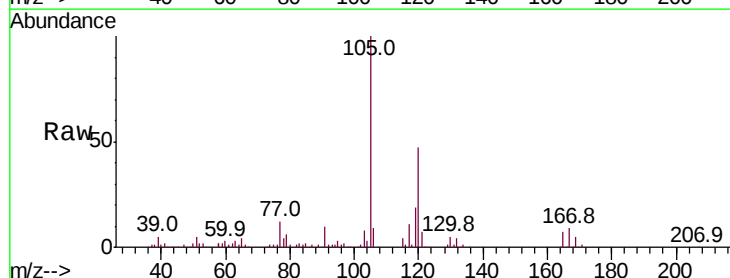
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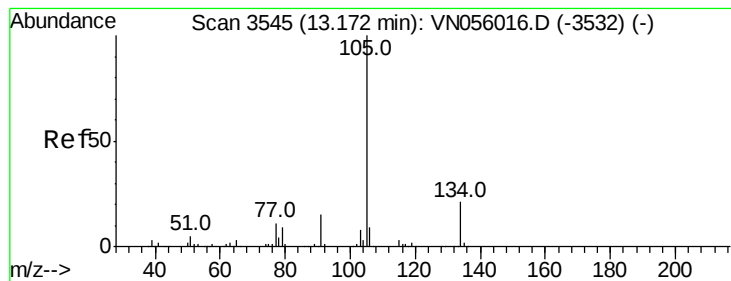
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#80
1,2,4-Trimethylbenzene
Concen: 18.973 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231911		
120	46.7	0.0	93.4	





#81

sec-Butylbenzene

Concen: 19.422 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 268114

Ion Ratio Lower Upper

105 100

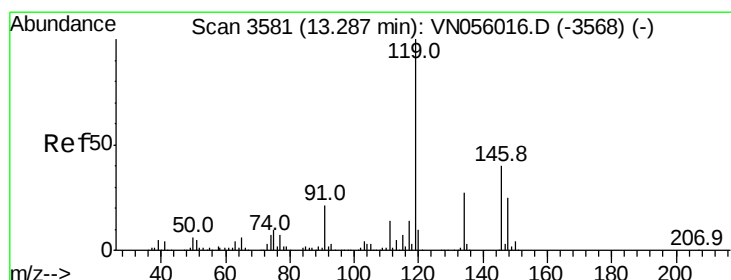
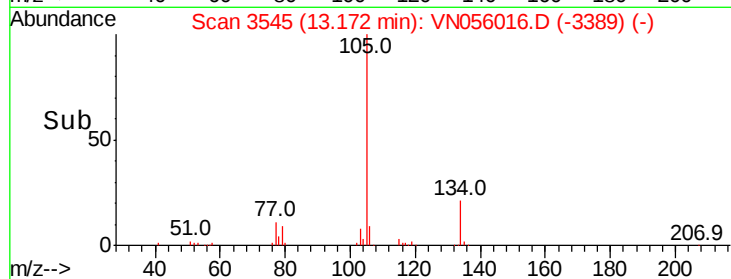
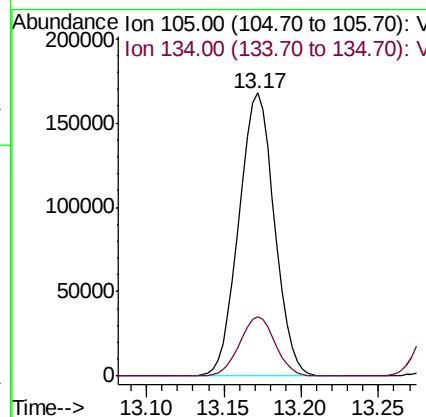
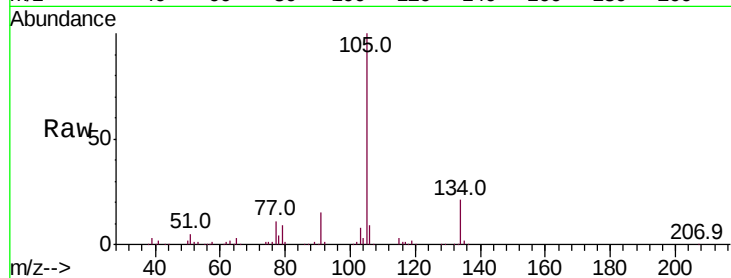
134 20.9 0.0 41.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 18.881 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

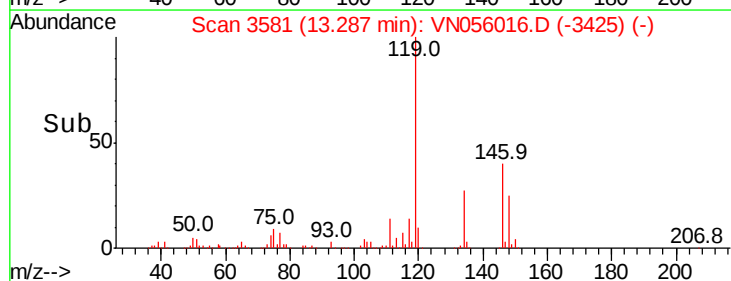
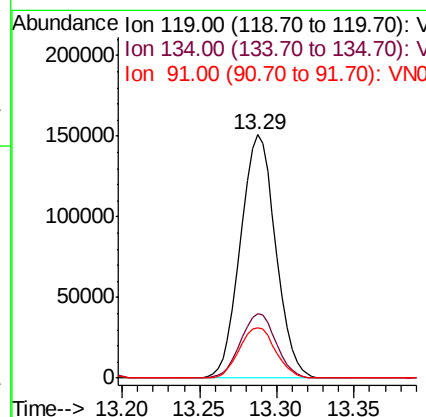
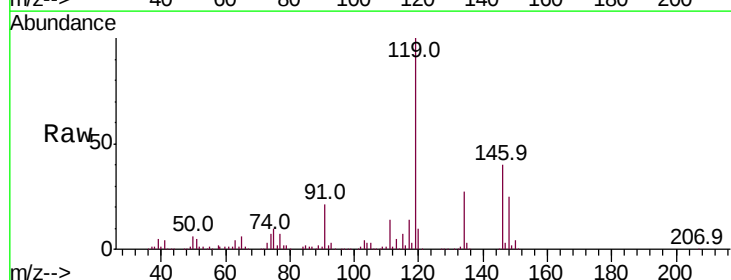
Tgt Ion:119 Resp: 238776

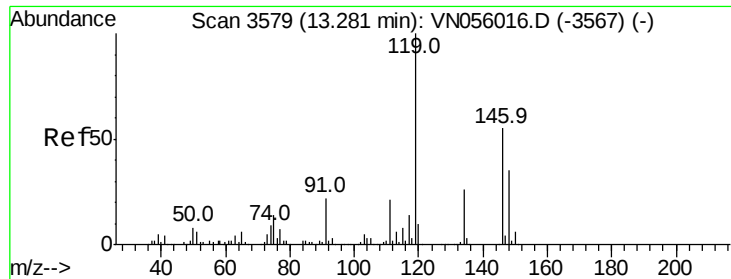
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.4

91 21.5 0.0 43.0





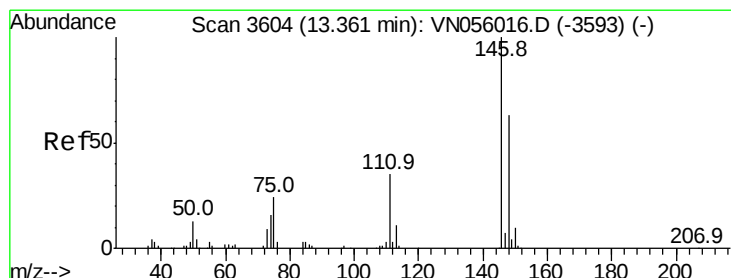
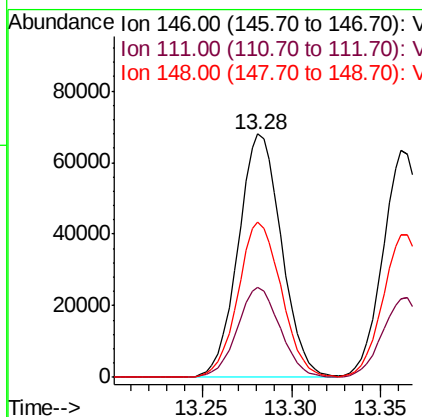
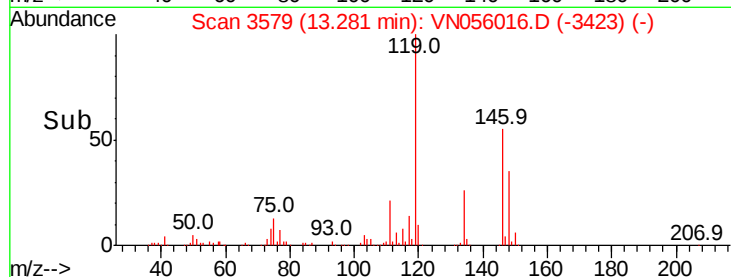
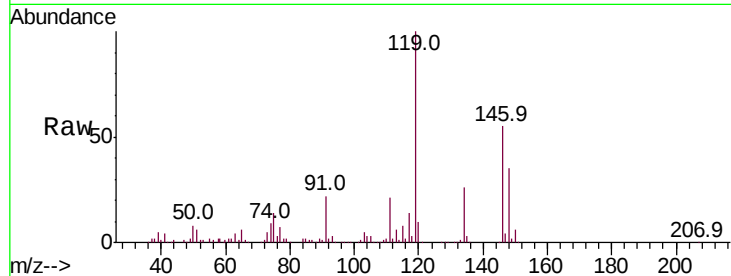
#83
 1,3-Dichlorobenzene
 Concen: 18.622 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.2	54.6
148	63.9	31.9	95.9

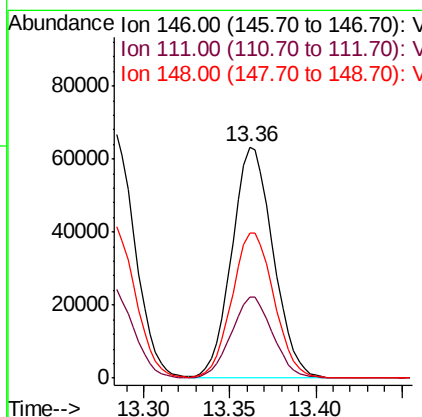
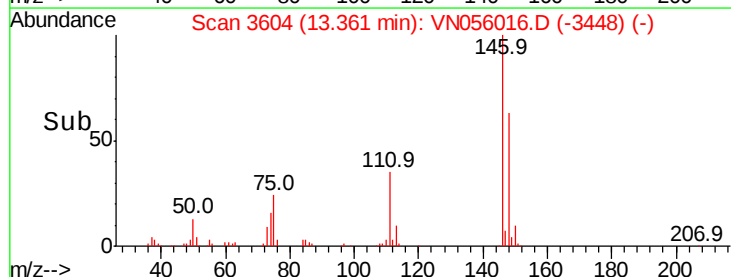
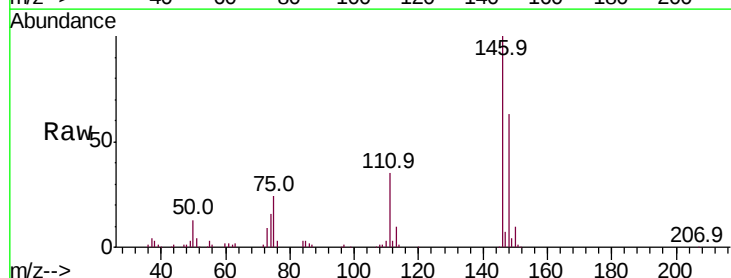
Manual Integrations
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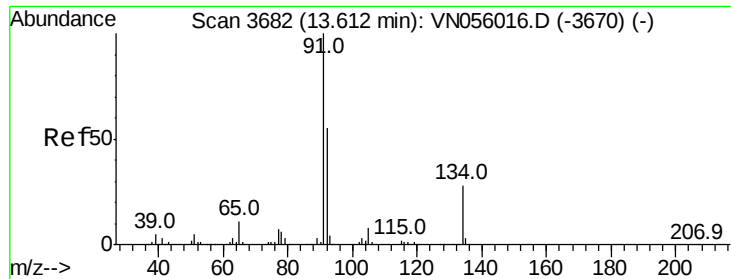
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#84
 1,4-Dichlorobenzene
 Concen: 17.918 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.6	52.9
148	64.2	32.1	96.3





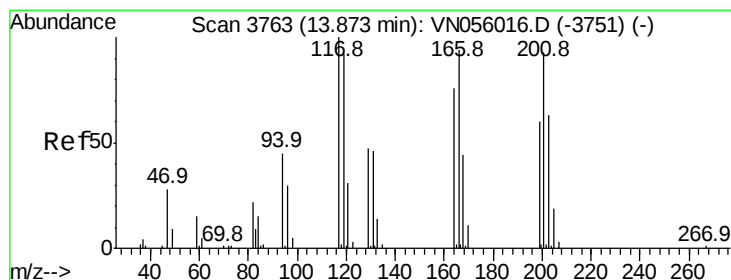
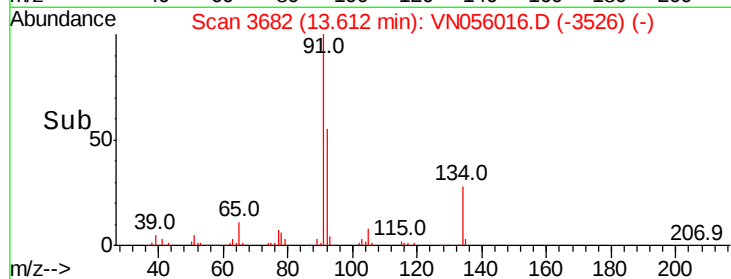
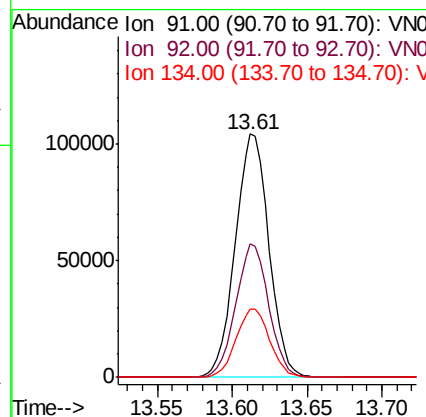
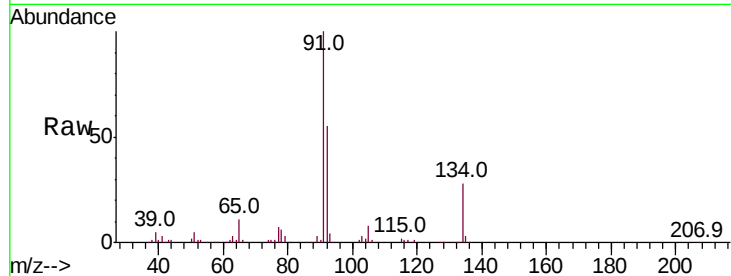
#85
n-Butylbenzene
Concen: 16.809 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	163325		
92	53.6		0.0	107.2
134	27.9		0.0	55.8

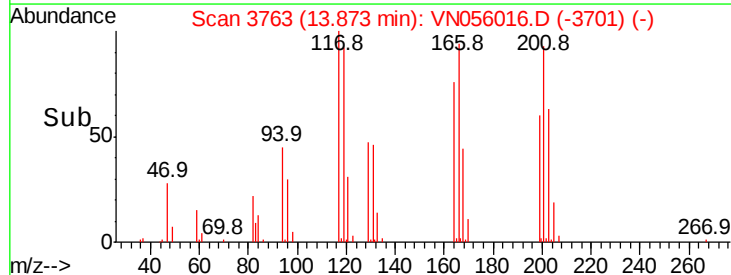
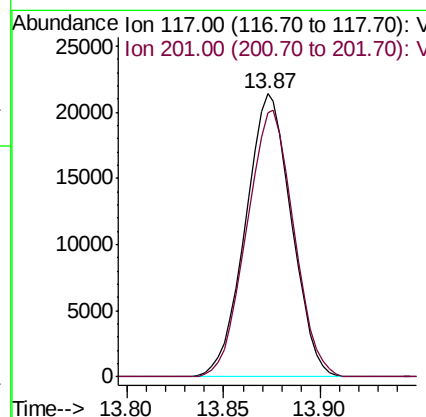
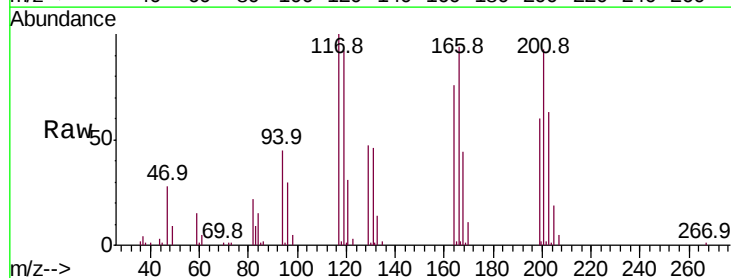
Manual Integrations
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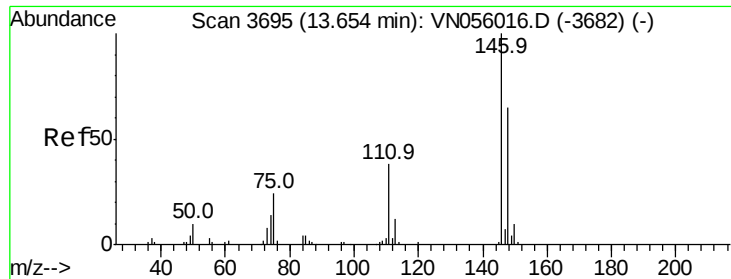
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#86
Hexachloroethane
Concen: 14.994 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35523		
201	96.3		48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 18.941 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Instrument :

MSVOA_N

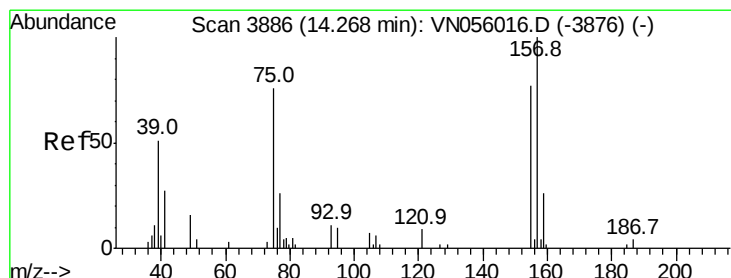
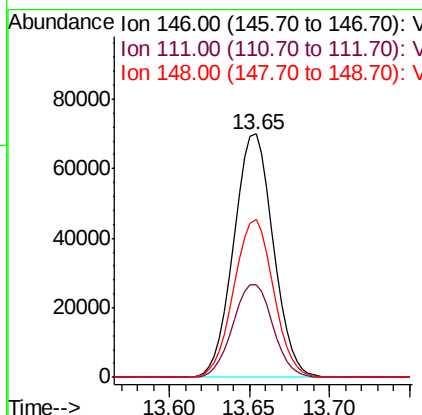
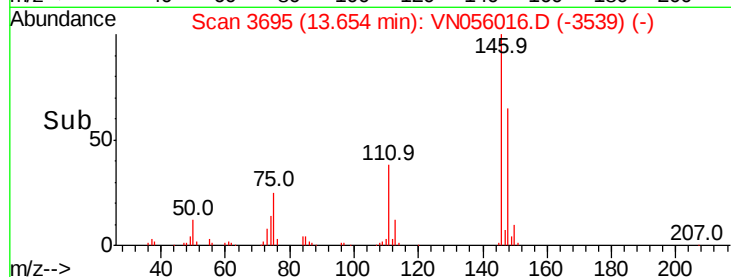
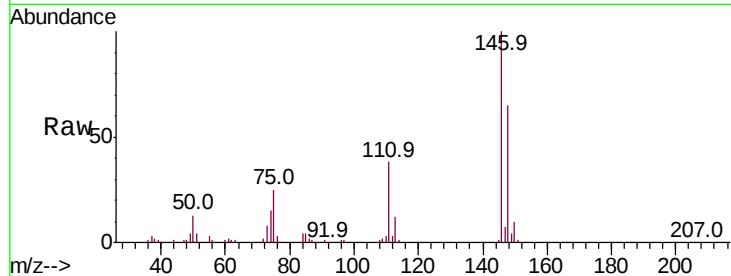
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	117984
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.3	57.9
148	65.2	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 14.972 ug/l

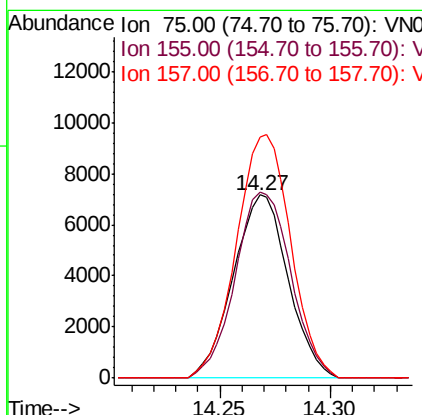
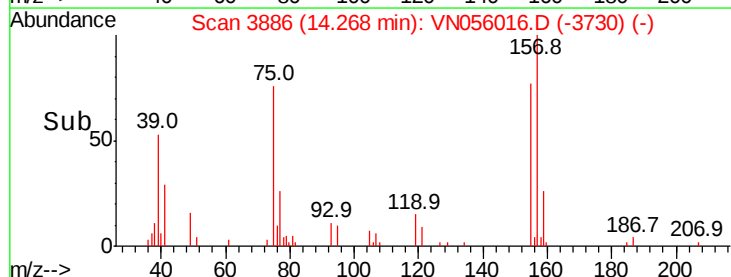
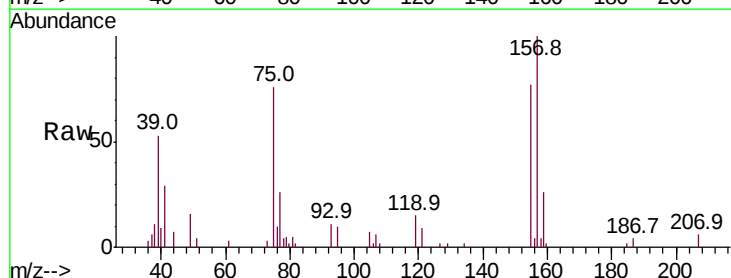
RT: 14.27 min Scan# 3886

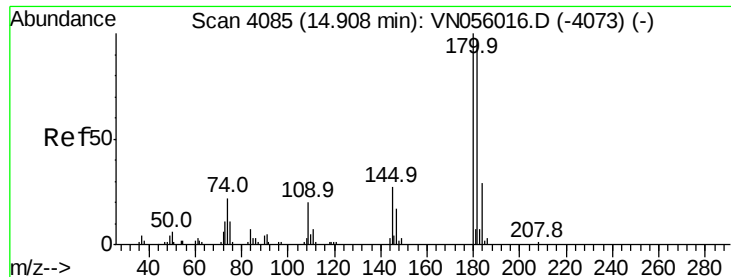
Delta R.T. 0.00 min

Lab File: VN056016.D

Acq: 5 Jun 2019 19:18

Tgt Ion:	75	Resp:	12395
Ion Ratio	Lower	Upper	
75	100		
155	103.1	82.5	123.7
157	131.4	105.1	157.7





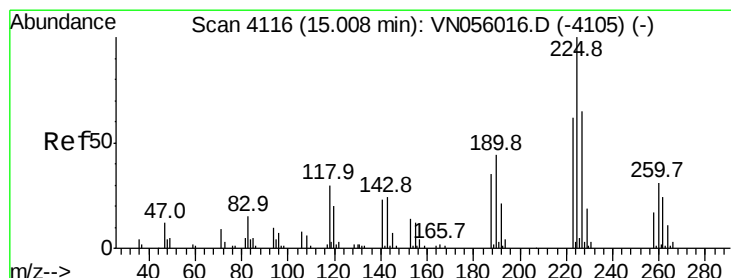
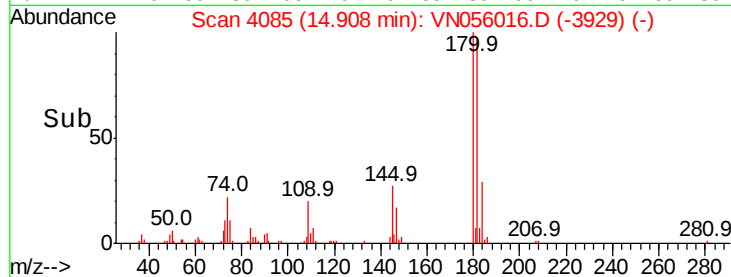
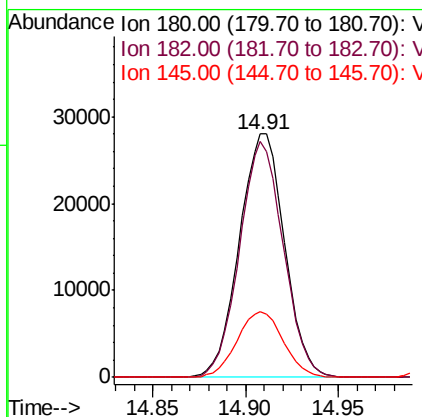
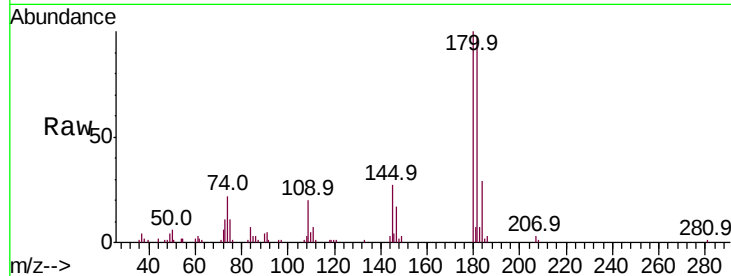
#89
 1,2,4-Trichlorobenzene
 Concen: 14.362 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.0	112.6
145	27.6	22.1	33.1

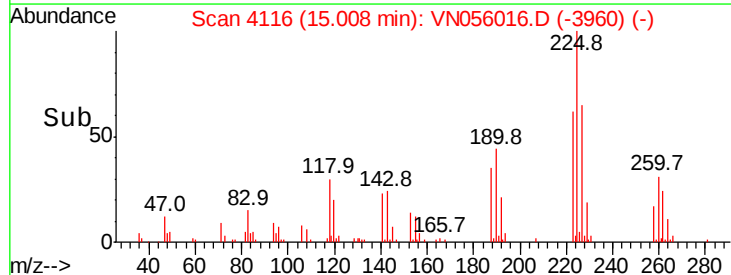
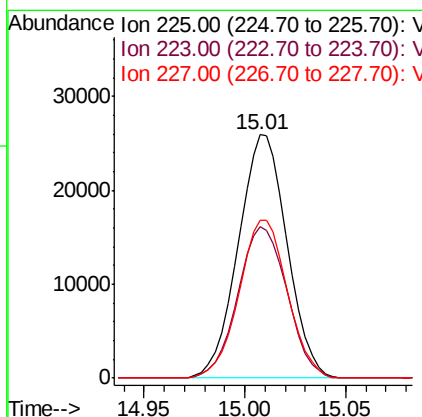
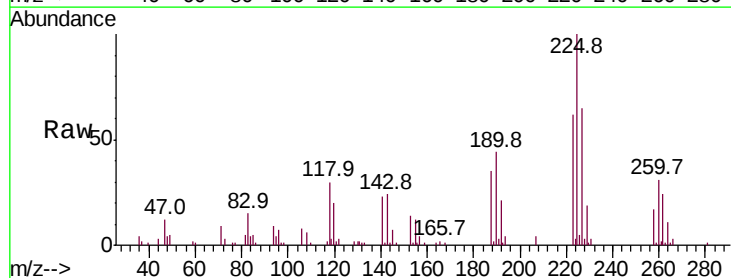
Manual Integrations
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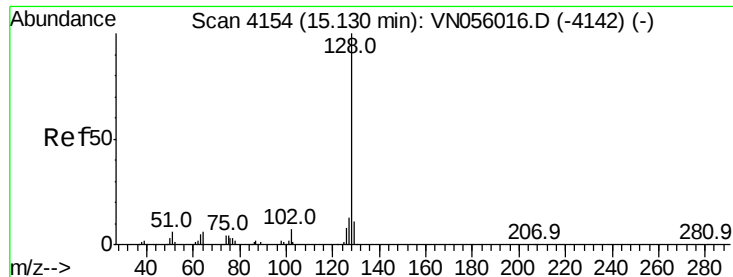
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 17.782 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056016.D
 Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	125.6
227	64.3	0.0	128.6





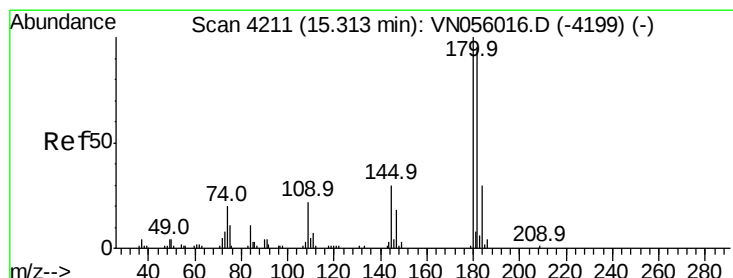
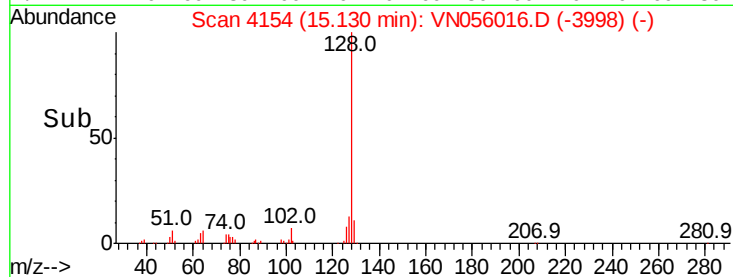
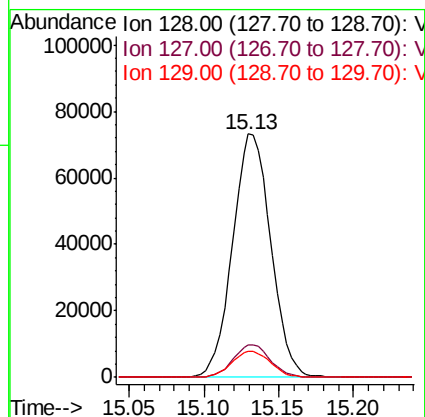
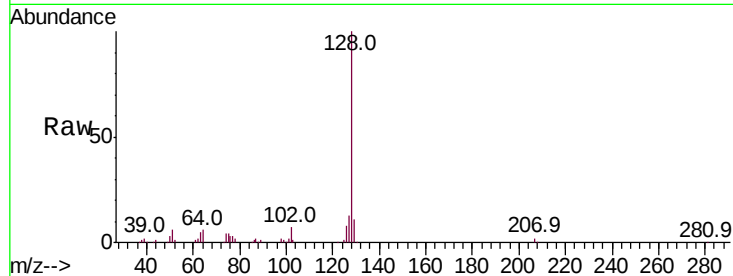
#91
Naphthalene
Concen: 14.526 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 10:19:30 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.815 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056016.D
Acq: 5 Jun 2019 19:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	193.4
145	29.9	0.0	59.8

