

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056587.D
 Acq On : 3 Jul 2019 15:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:29 AM

Quant Time: Jul 03 22:34:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	52266	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	289769	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	248634	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	108097	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	12.40	95	113891	29.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.37%
63) Toluene-d8	10.09	98	352127	30.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	53087	20.254 ug/l	99
3) Chloromethane	2.06	50	69680	18.317 ug/l	100
4) Vinyl Chloride	2.18	62	70430	19.671 ug/l	98
5) Bromomethane	2.54	94	43822m	22.940 ug/l	
6) Chloroethane	2.69	64	37957	19.144 ug/l	96
7) Trichlorofluoromethane	3.01	101	90323	19.654 ug/l	98
8) Diethyl Ether	3.41	74	37405	19.188 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	56870	19.530 ug/l	95
10) 1,1-Dichloroethene	3.73	96	54395	19.039 ug/l	91
11) Methyl Iodide	3.95	142	75867	18.570 ug/l	99
12) Methyl Acetate	4.32	43	71444	18.542 ug/l	94
13) Acrolein	3.60	56	30188	80.247 ug/l	99
14) Acrylonitrile	4.99	53	157198	92.919 ug/l	99
15) Acetone	3.81	58	41681	88.301 ug/l	92
16) Carbon Disulfide	4.05	76	128605	18.720 ug/l	99
17) Allyl chloride	4.32	41	92515	18.504 ug/l	96
18) Methylene Chloride	4.55	84	64845	19.197 ug/l	93
19) trans-1,2-Dichloroethene	5.04	96	59338	19.149 ug/l	90
20) Diisopropyl ether	5.95	45	200005	19.363 ug/l	98
21) 1,1-Dichloroethane	5.85	63	110367	18.941 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	70114	19.241 ug/l	95
23) tert-Butyl Alcohol	4.79	59	58825	92.953 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	180665	19.119 ug/l	99
25) Chloroform	7.37	83	109745	19.215 ug/l	98
26) Cyclohexane	7.65	56	104136	19.403 ug/l	# 95
29) 1,1-Dichloropropene	7.79	75	82683	19.323 ug/l	97
30) 2-Butanone	6.84	43	209640	88.376 ug/l	98
31) 2,2-Dichloropropane	6.82	77	69753	16.954 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	87207	19.118 ug/l	99
33) Carbon Tetrachloride	7.77	117	71916	18.597 ug/l	99
34) Benzene	8.04	78	257867	19.272 ug/l	100
35) Methacrylonitrile	7.17	41	36674	17.409 ug/l	97
36) 1,2-Dichloroethane	8.12	62	83167	19.124 ug/l	97
37) Trichloroethene	8.83	130	67689	19.397 ug/l	96
38) Methylcyclohexane	9.08	83	103107	19.228 ug/l	99
39) 1,2-Dichloropropane	9.12	63	68891	19.126 ug/l	95
40) Dibromomethane	9.21	93	42514	19.094 ug/l	94

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Manual Integrations
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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	76849	18.623	ug/l	99
42) Vinyl Acetate	5.89	43	801135	94.849	ug/l	97
43) Ethyl Acetate	6.93	43	80676	17.581	ug/l	96
44) Isopropyl Acetate	8.16	43	130998	18.298	ug/l #	86
45) 1,4-Dioxane	9.20	88	27429	391.557	ug/l	93
46) Methyl methacrylate	9.20	41	64350	18.293	ug/l	98
47) n-amyl Acetate	12.07	43	106964	17.975	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	79697	18.020	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	94693	18.563	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	63436	19.340	ug/l	99
51) Ethyl methacrylate	10.43	69	95954	18.574	ug/l	97
52) 1,3-Dichloropropane	10.71	76	106673	19.139	ug/l	100
53) Dibromochloromethane	10.90	129	58494	18.195	ug/l	98
54) 1,2-Dibromoethane	11.00	107	64479	18.866	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	242473	92.112	ug/l	98
56) Bromoform	12.13	173	39735	17.010	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	425653	95.216	ug/l	97
59) 2-Hexanone	10.75	43	301815	90.984	ug/l	98
61) Tetrachloroethene	10.63	164	62650	20.076	ug/l	98
62) Toluene	10.15	91	272862	19.664	ug/l	100
64) Chlorobenzene	11.43	112	162656	19.456	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	58064	19.285	ug/l	100
66) Ethyl Benzene	11.51	91	289856	19.265	ug/l	99
67) m/p-Xylenes	11.62	106	219792	39.584	ug/l	95
68) o-Xylene	11.95	106	106869	19.462	ug/l	95
69) Styrene	11.96	104	176949	19.368	ug/l	98
70) Isopropylbenzene	12.25	105	282419	19.712	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	89591	18.914	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	77735m	19.515	ug/l	
73) Bromobenzene	12.53	156	70742	19.145	ug/l	91
74) n-propylbenzene	12.59	91	314705	19.361	ug/l	98
75) 2-Chlorotoluene	12.67	91	190996	19.650	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	242582	19.995	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	20599	16.145	ug/l	93
78) 4-Chlorotoluene	12.77	91	181533	19.204	ug/l	98
79) tert-butylbenzene	12.99	119	201113	19.402	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	235423	19.647	ug/l	98
81) sec-Butylbenzene	13.17	105	269022	19.571	ug/l	98
82) p-Isopropyltoluene	13.29	119	242553	19.626	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119516	19.477	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113292	19.139	ug/l	99
85) n-Butylbenzene	13.61	91	194322	18.710	ug/l	97
86) Hexachloroethane	13.87	117	34300	18.406	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	120278	19.302	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14355	16.913	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	61614	17.889	ug/l	97
90) Hexachlorobutadiene	15.01	225	41021	19.169	ug/l	99
91) Naphthalene	15.13	128	163003	16.864	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	64760	17.911	ug/l	99

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ClientSampleId :
VSTDCCC020EC

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

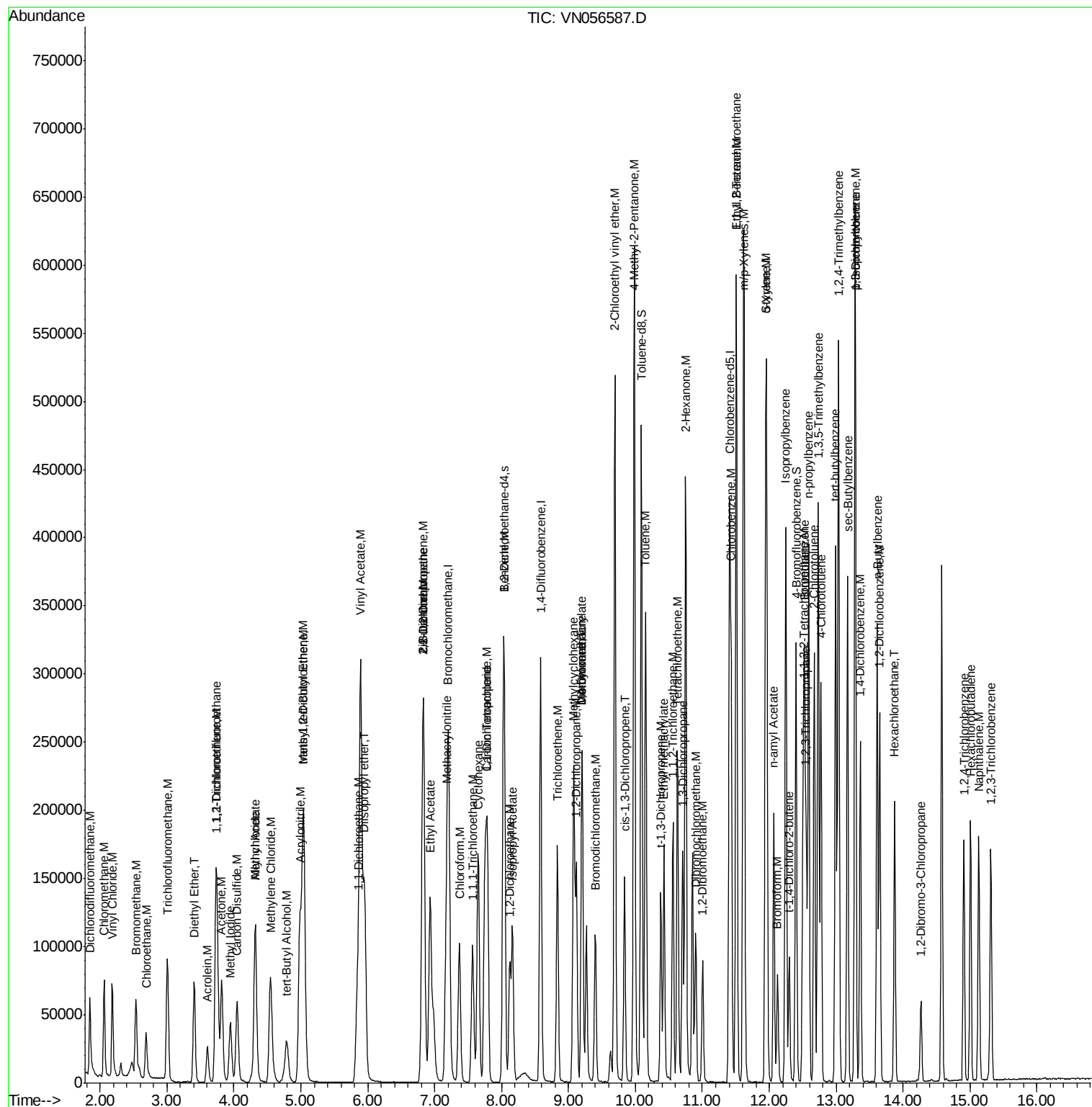
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
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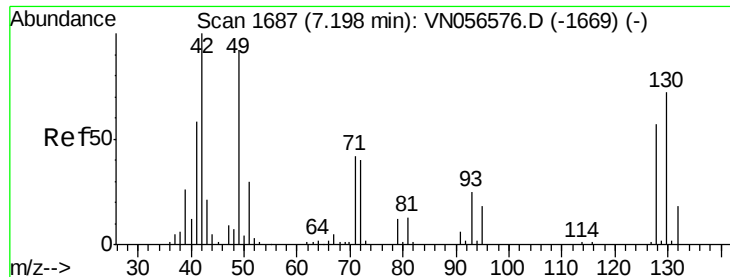
Instrument :
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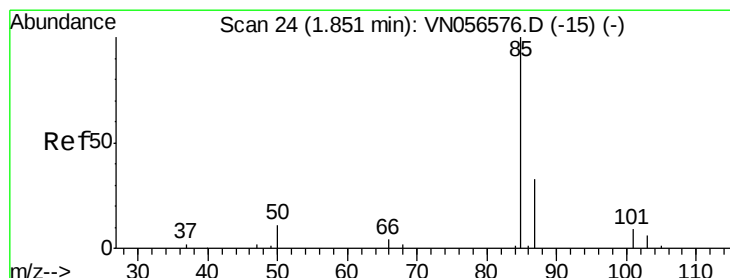
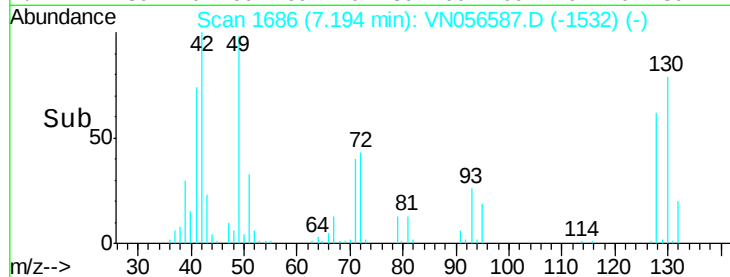
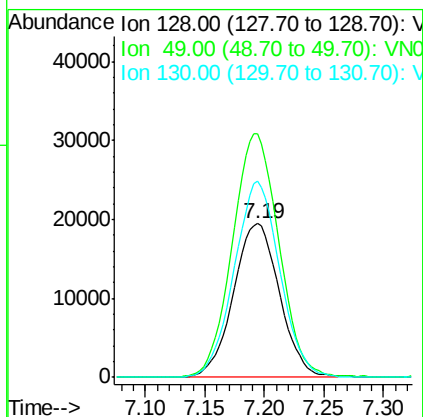
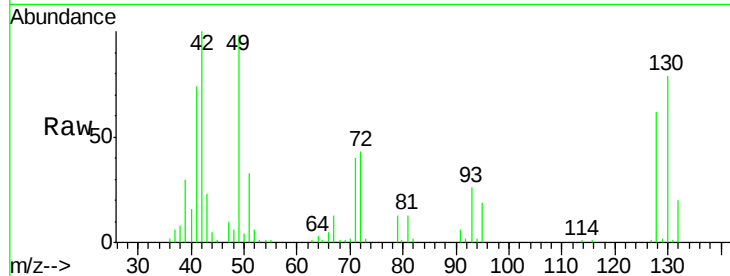
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.5	0.0	355.8
130	126.4	0.0	326.3

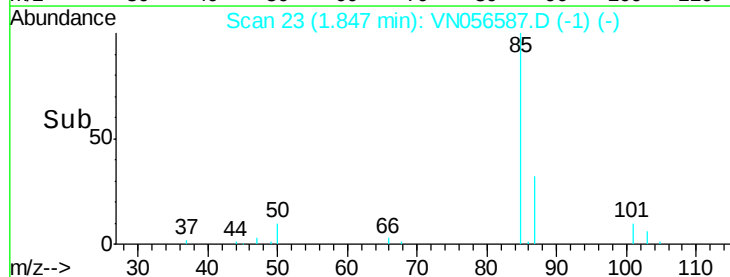
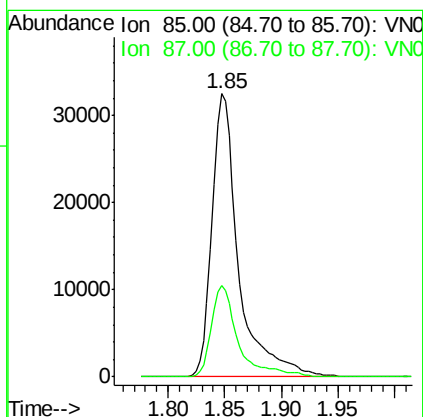
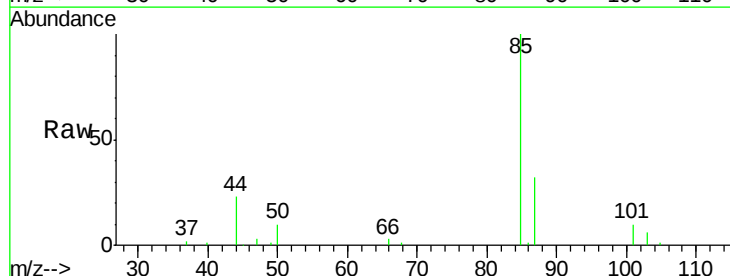
Manual Integrations
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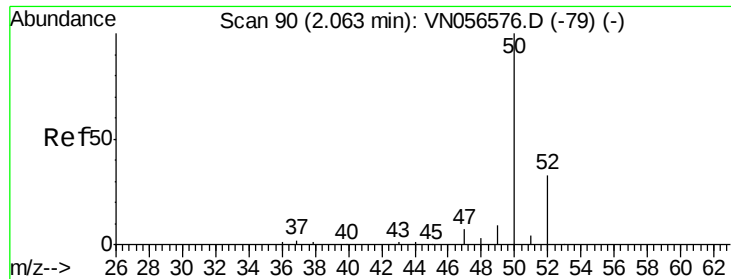
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#2
Dichlorodifluoromethane
Concen: 20.254 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.7





#3

Chloromethane

Concen: 18.317 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 69680

Ion Ratio Lower Upper

50 100

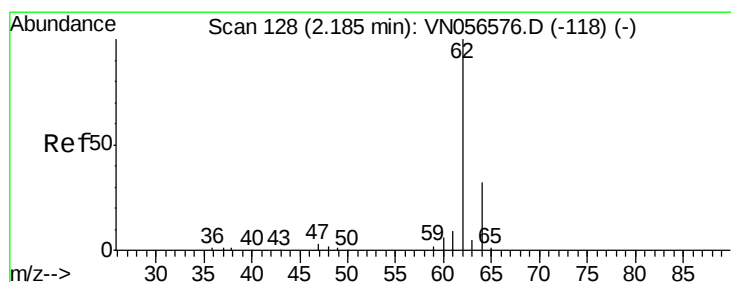
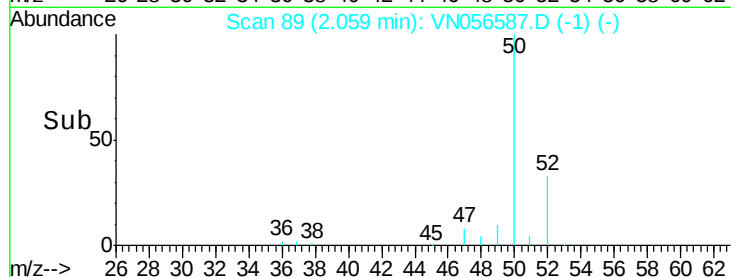
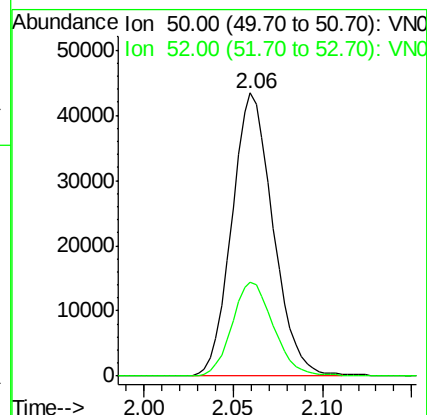
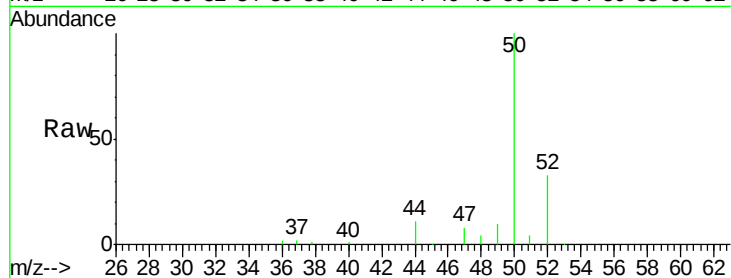
52 33.4 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.671 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056587.D

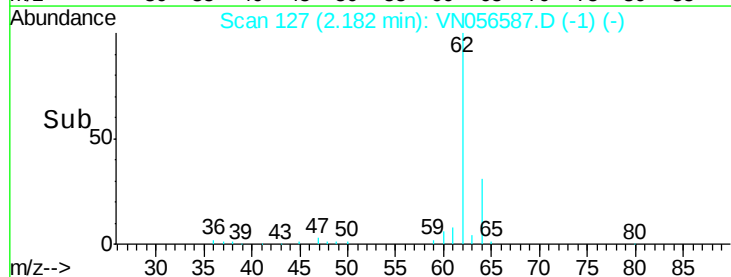
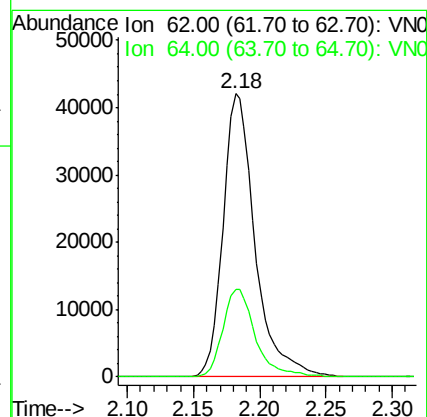
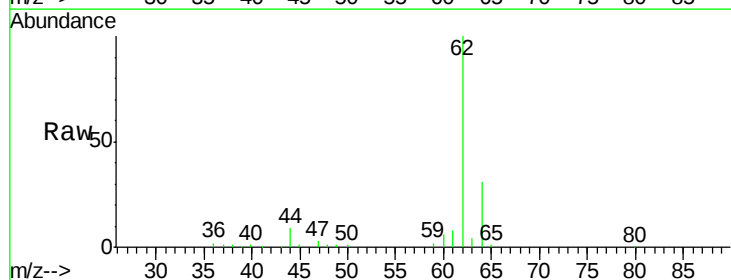
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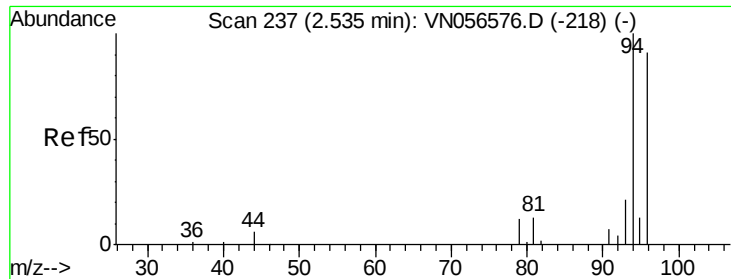
Tgt Ion: 62 Resp: 70430

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 22.940 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 43822

Ion Ratio Lower Upper

94 100

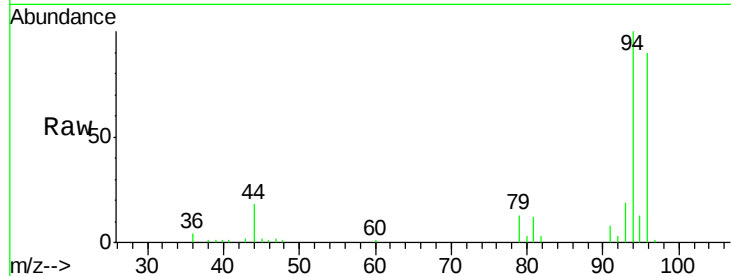
96 90.2 74.1 111.1

Manual Integrations

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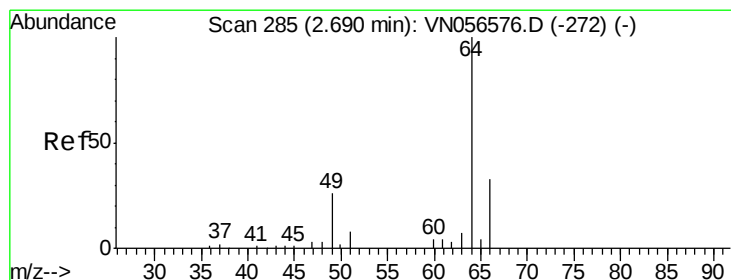
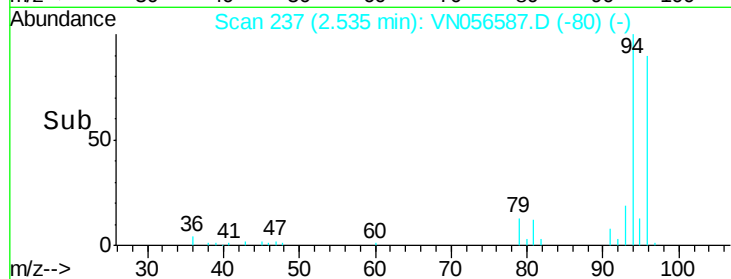
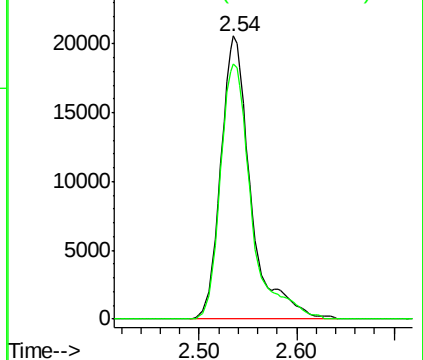
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.144 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN056587.D

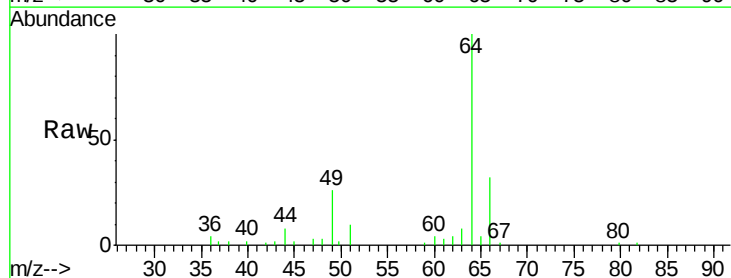
Acq: 3 Jul 2019 15:17

Tgt Ion: 64 Resp: 37957

Ion Ratio Lower Upper

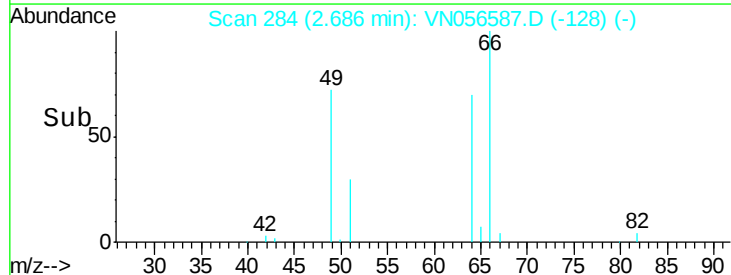
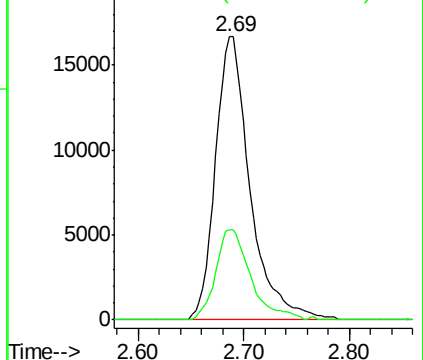
64 100

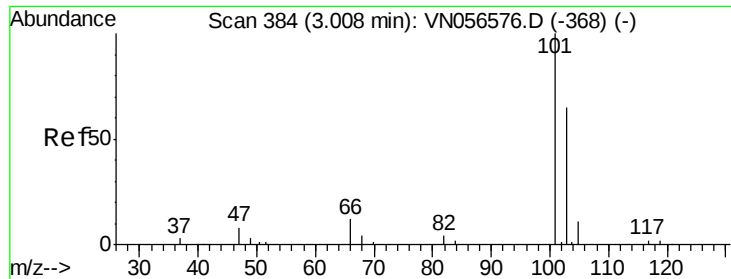
66 32.0 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

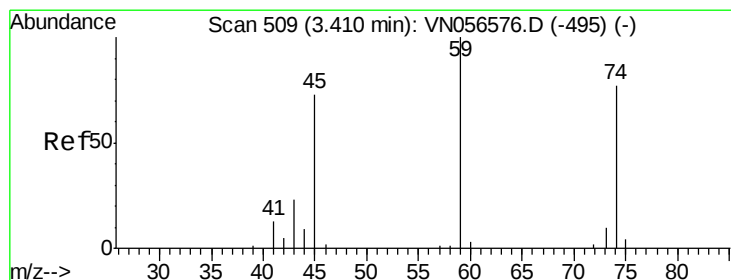
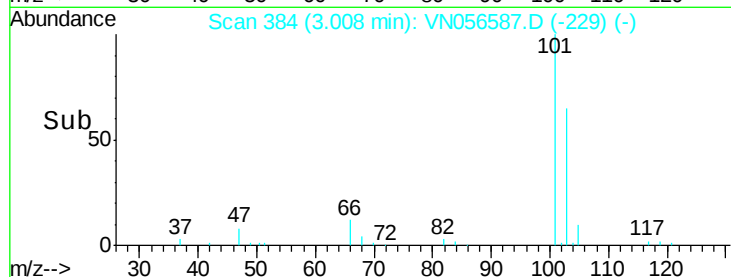
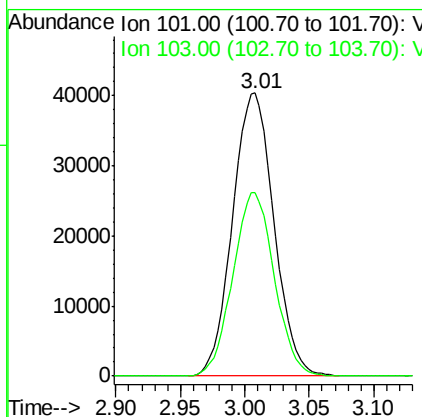
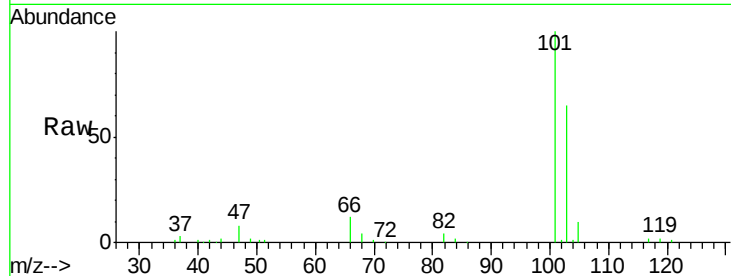
Trichlorofluoromethane
 Concen: 19.654 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
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 ClientSampleId :
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Tot Ion	101	Resp	90323
Ion Ratio	Lower	Upper	
101	100		
103	64.7	53.4	80.0

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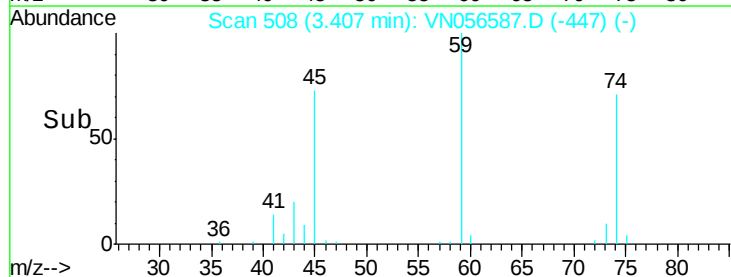
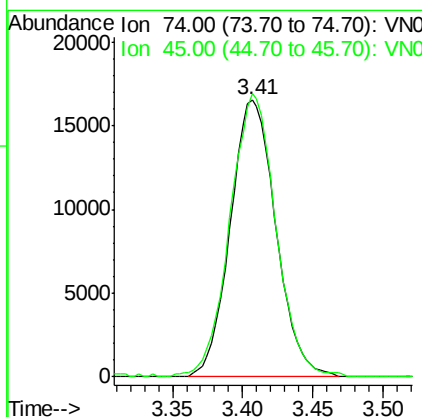
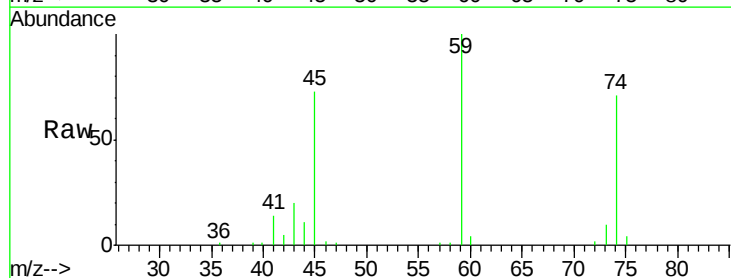
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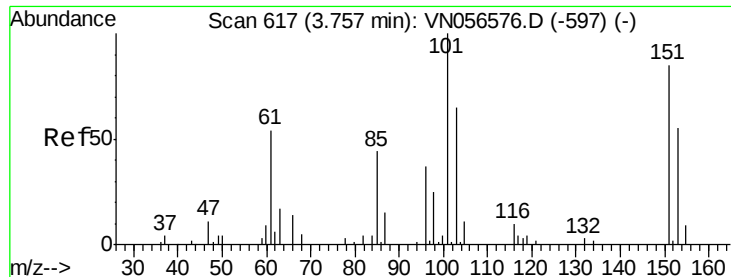


#8

Diethyl Ether
 Concen: 19.188 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	74	Resp	37405
Ion Ratio	Lower	Upper	
74	100		
45	103.3	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.530 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

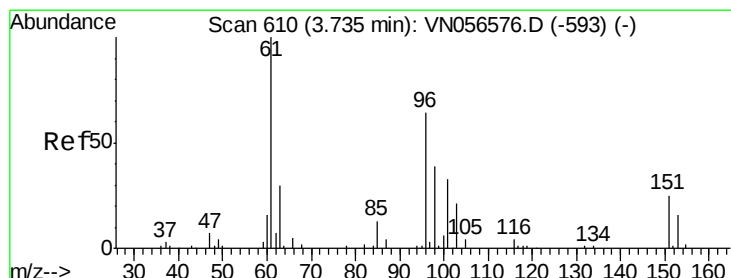
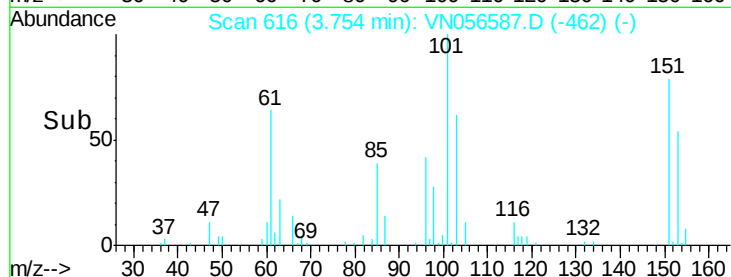
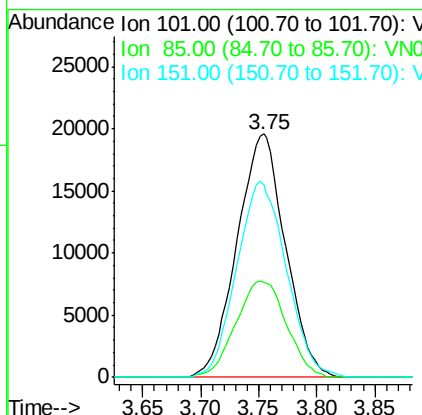
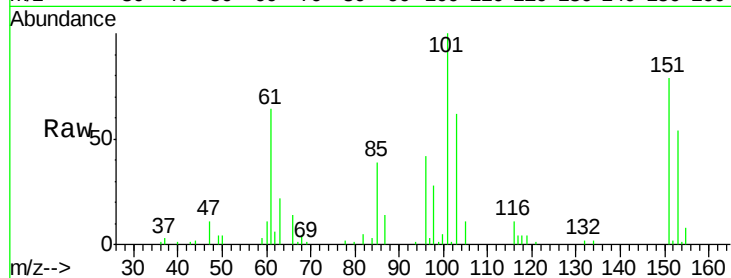
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	56870
Ion Ratio	Lower	Upper	
101	100		
85	41.3	0.0	82.0
151	82.5	0.0	177.0

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#10

1,1-Dichloroethene

Concen: 19.039 ug/l

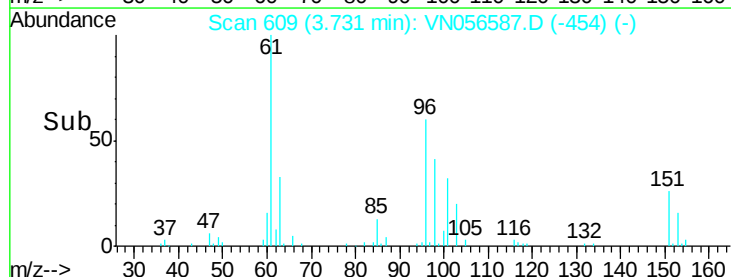
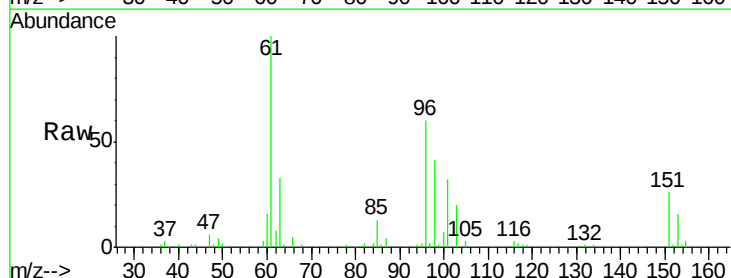
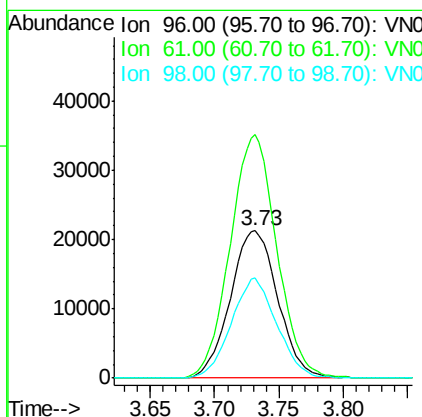
RT: 3.73 min Scan# 609

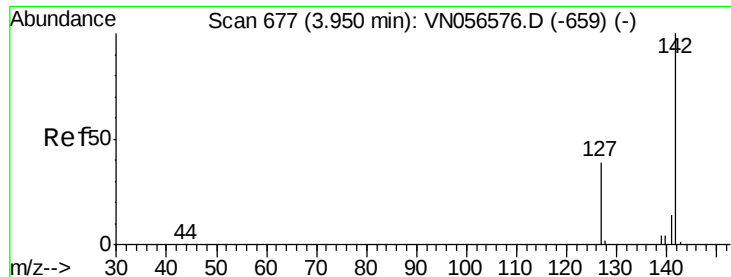
Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Tgt Ion:	96	Resp:	54395
Ion Ratio	Lower	Upper	
96	100		
61	164.7	119.7	179.5
98	67.8	52.3	78.5





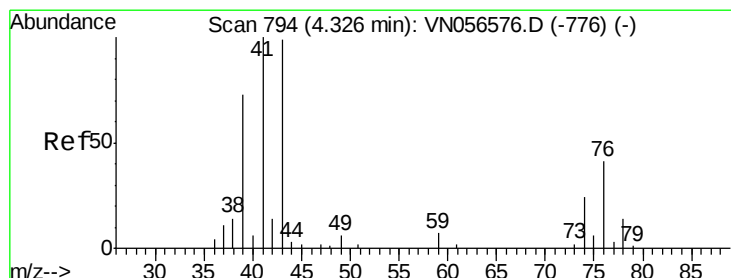
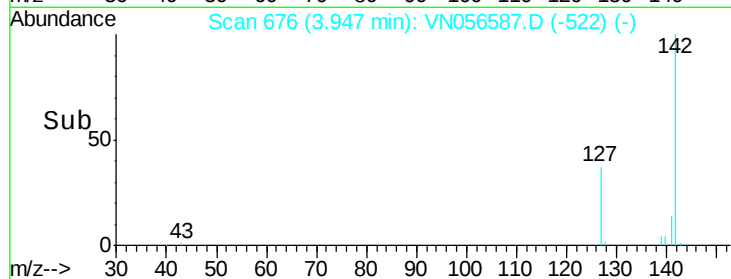
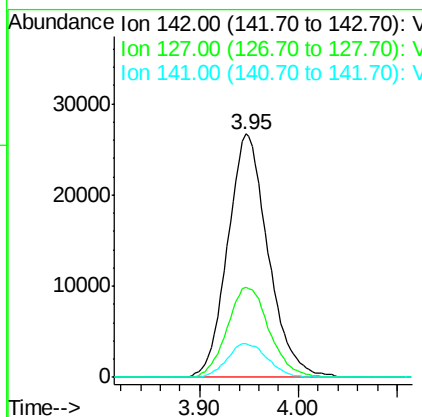
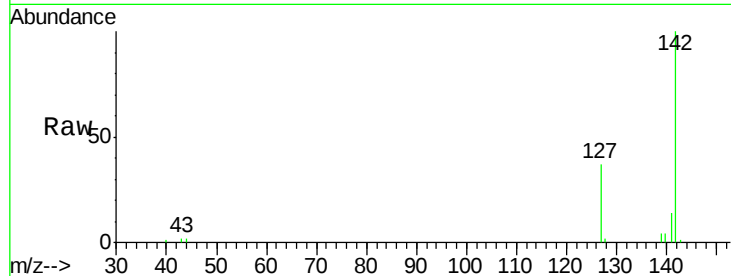
#11
Methyl Iodide
Concen: 18.570 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.0	19.0	57.0
141	13.6	6.7	20.0

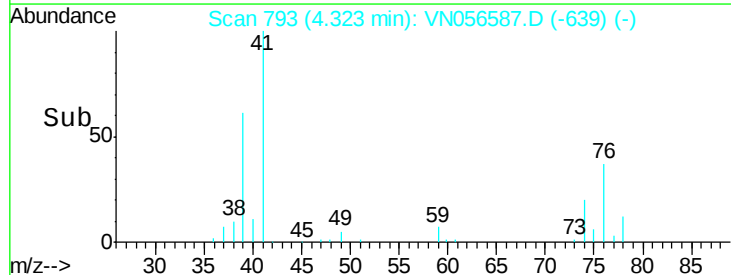
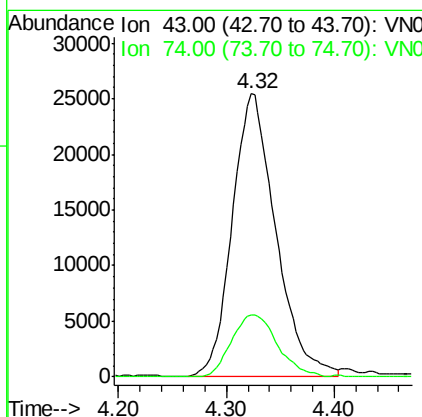
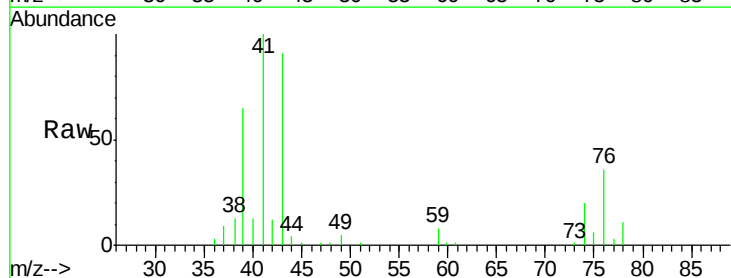
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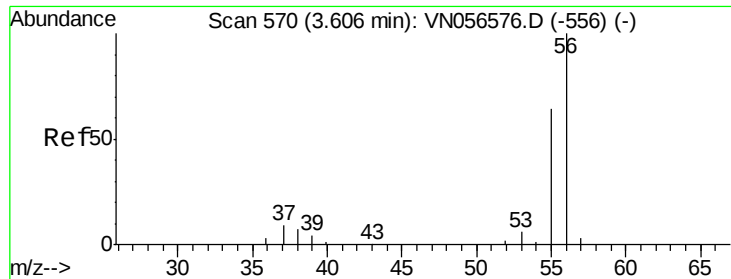
MMDadoda
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#12
Methyl Acetate
Concen: 18.542 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	19.9	29.9





#13

Acrolein

Concen: 80.247 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 30188

Ion Ratio Lower Upper

56 100

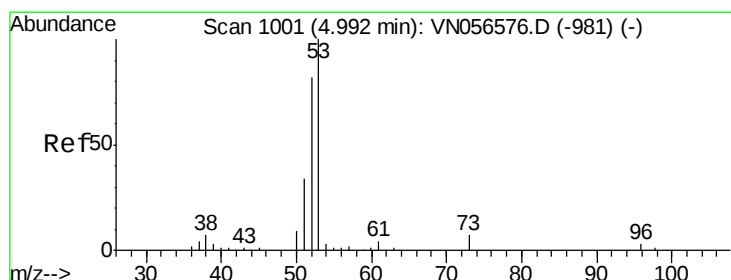
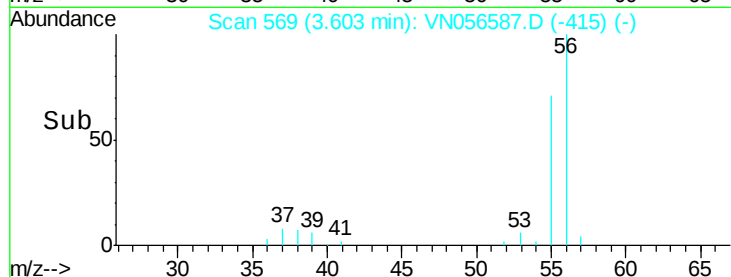
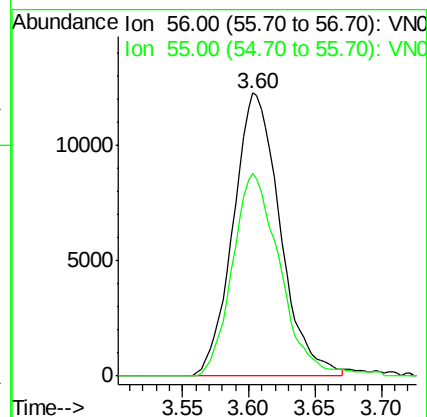
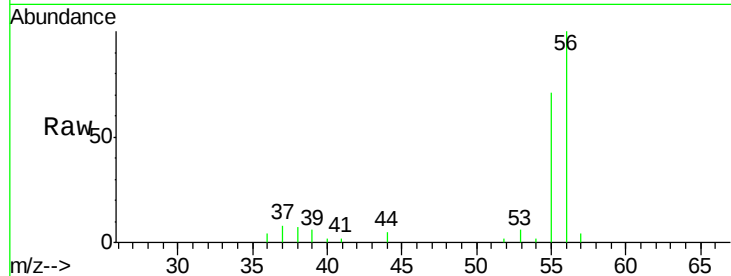
55 71.3 57.9 86.9

Manual Integrations

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#14

Acrylonitrile

Concen: 92.919 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

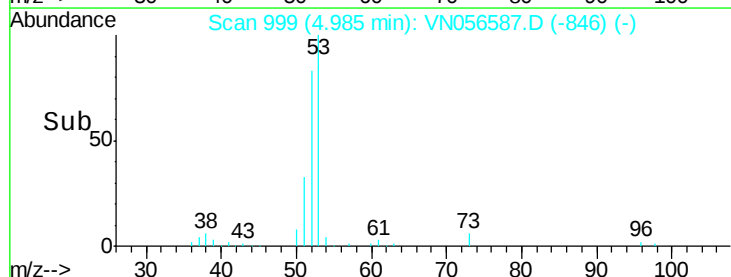
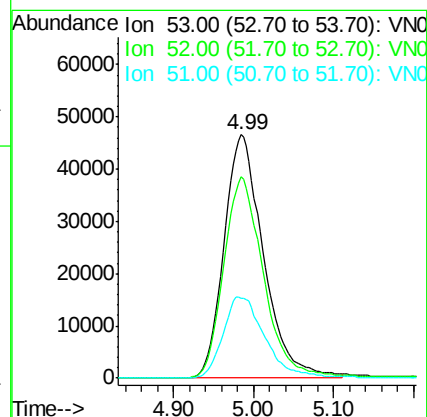
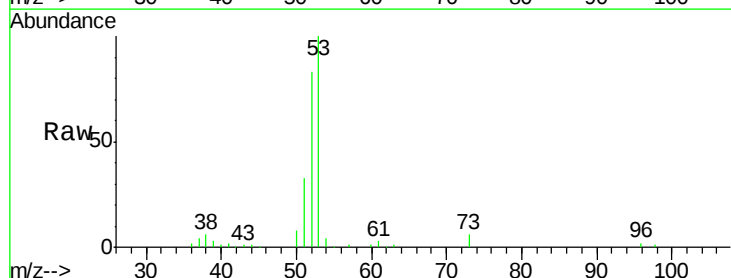
Tgt Ion: 53 Resp: 157198

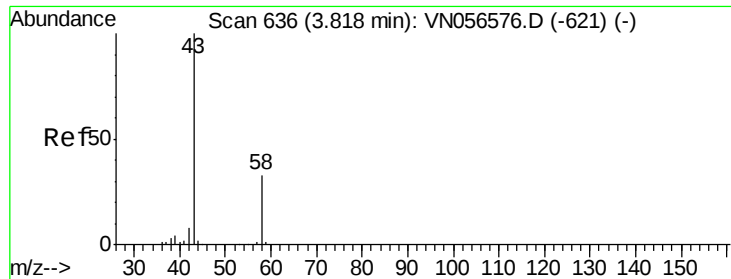
Ion Ratio Lower Upper

53 100

52 82.7 40.8 122.2

51 35.3 17.3 52.0





#15

Acetone

Concen: 88.301 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 41681

Ion Ratio Lower Upper

58 100

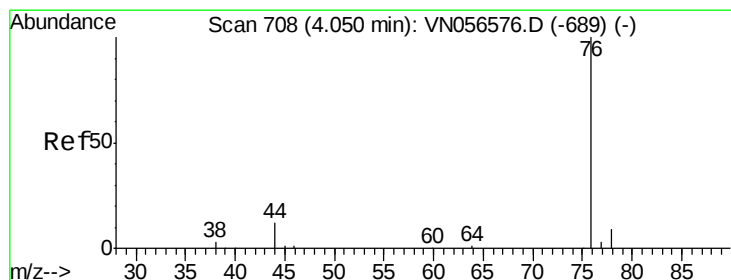
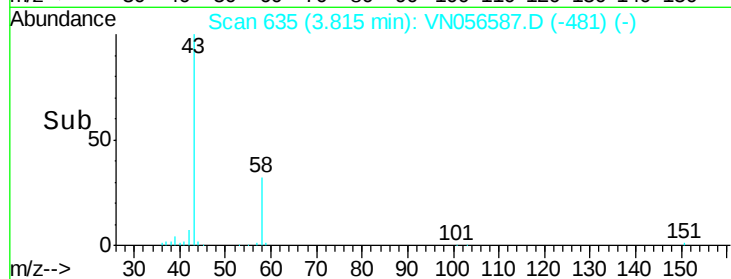
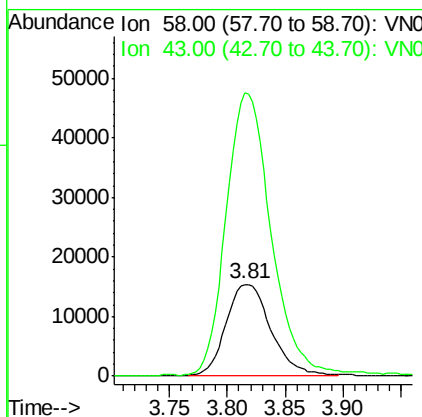
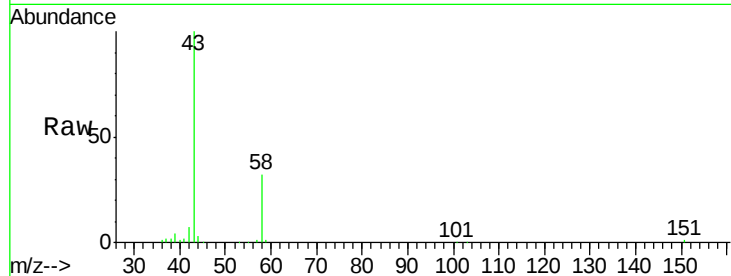
43 306.4 232.5 348.7

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.720 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056587.D

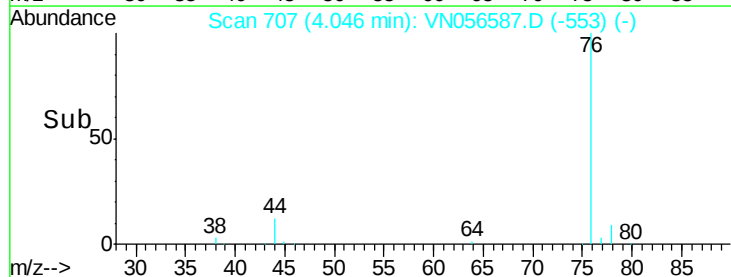
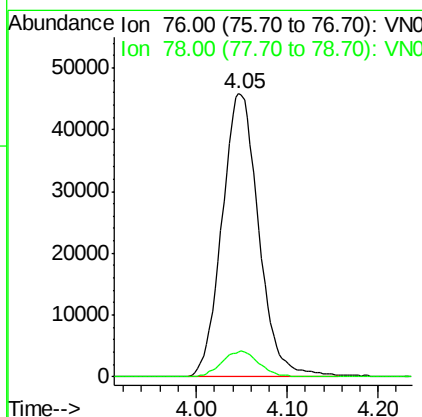
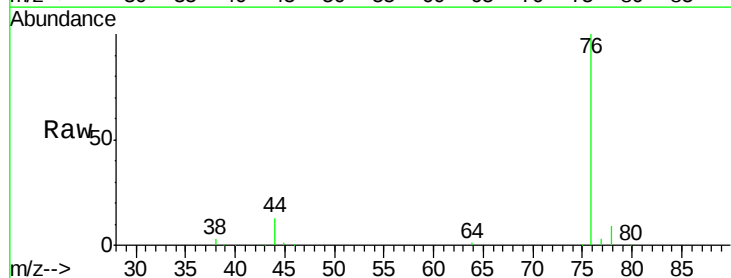
Acq: 3 Jul 2019 15:17

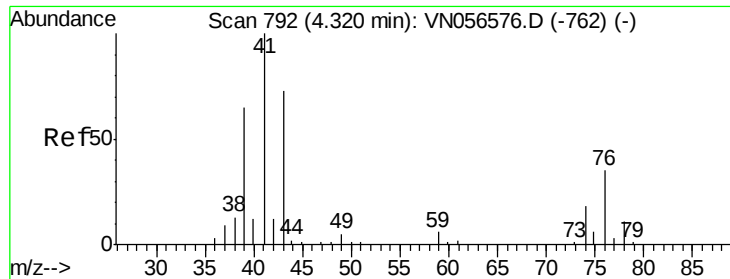
Tgt Ion: 76 Resp: 128605

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





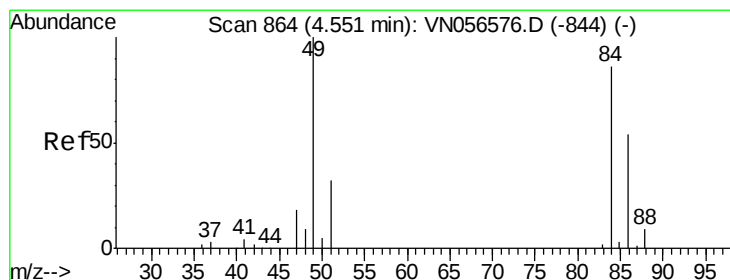
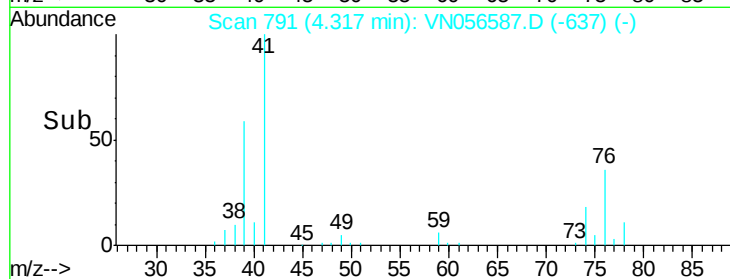
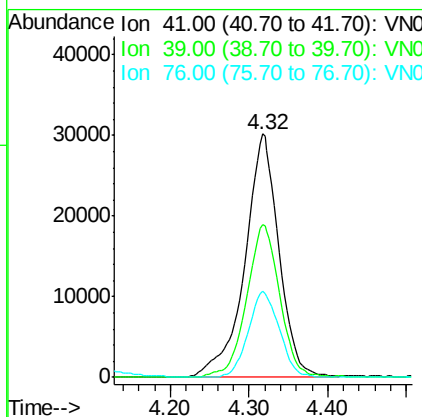
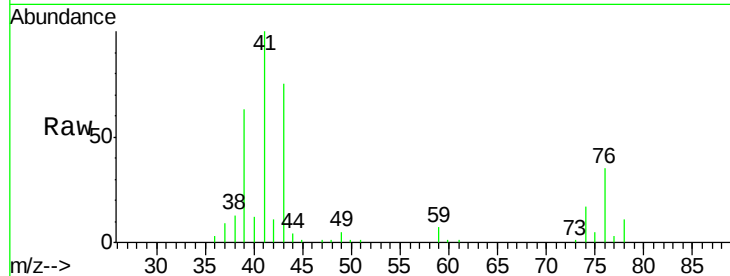
#17
Allvl chloride
Concen: 18.504 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.7	33.0	99.0
76	35.2	18.9	56.9

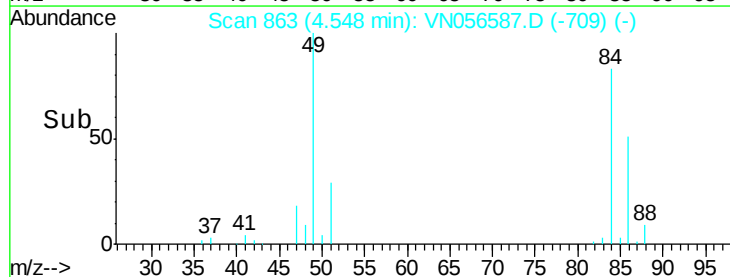
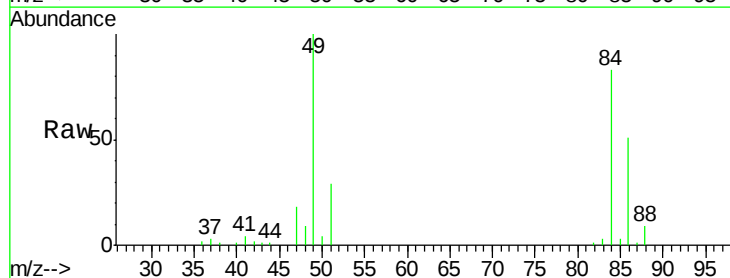
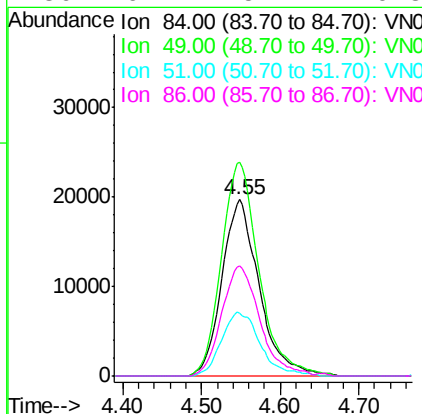
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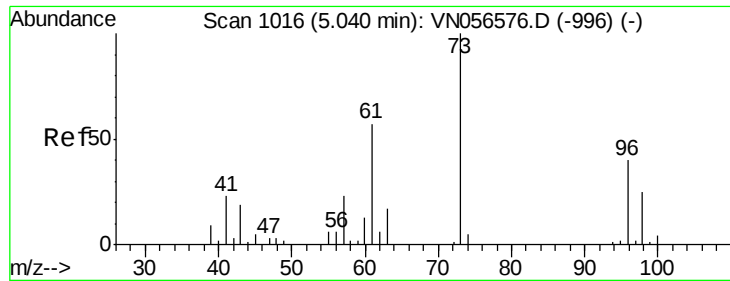
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#18
Methylene Chloride
Concen: 19.197 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	87.6	131.4
51	35.3	27.0	40.4
86	62.2	51.2	76.8





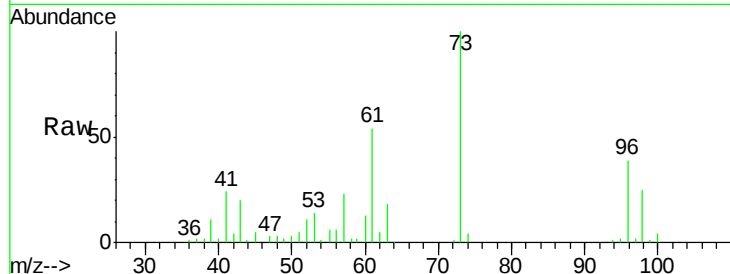
#19
trans-1,2-Dichloroethene
Concen: 19.149 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	102.5	153.7
98	65.7	46.9	70.3

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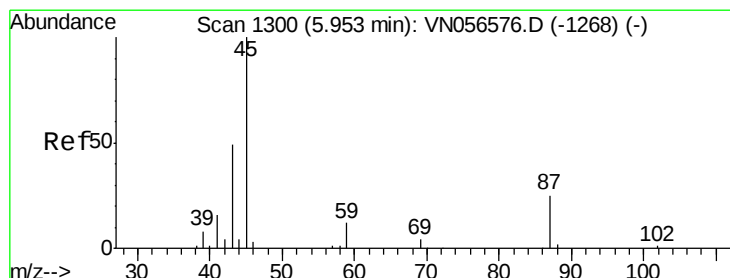
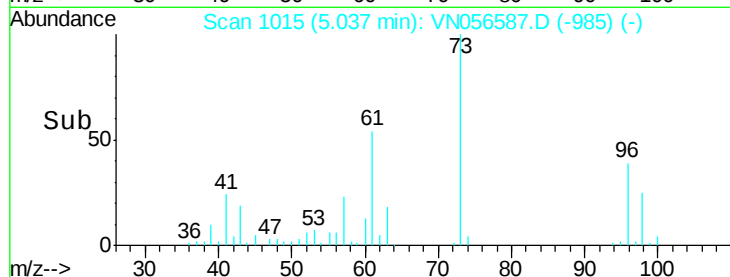
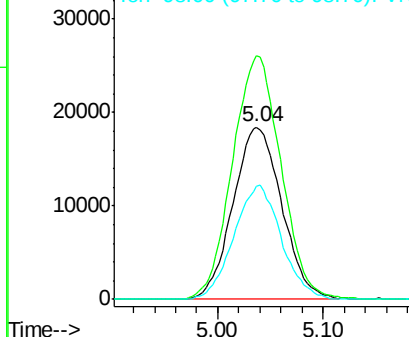


Abundance

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



#20
Diisopropyl ether
Concen: 19.363 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.0	72.0
87	26.6	23.4	35.2
59	11.7	9.2	13.8

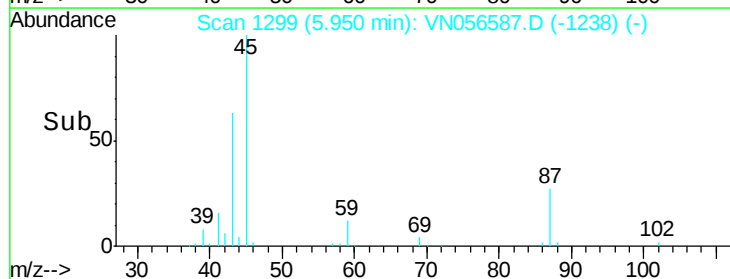
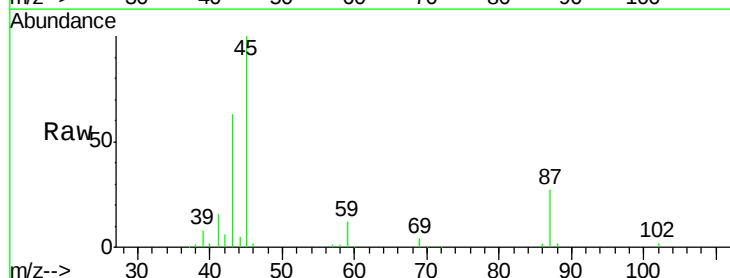
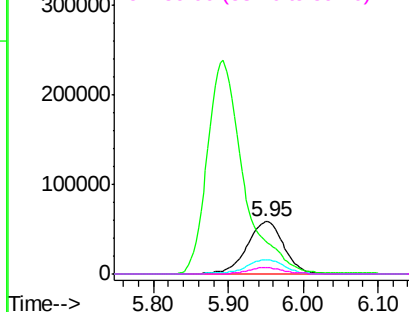
Abundance

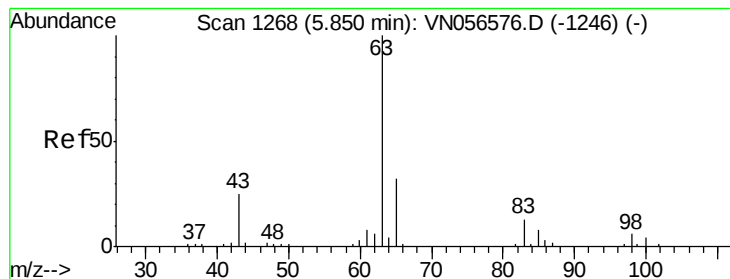
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 18.941 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

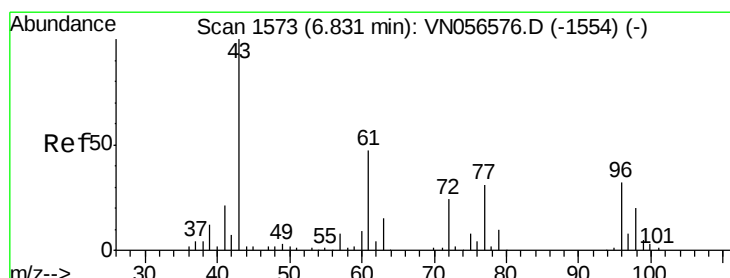
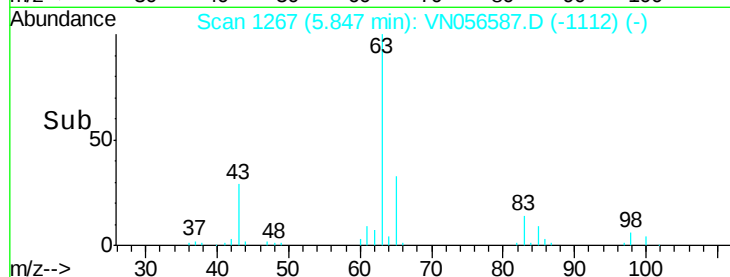
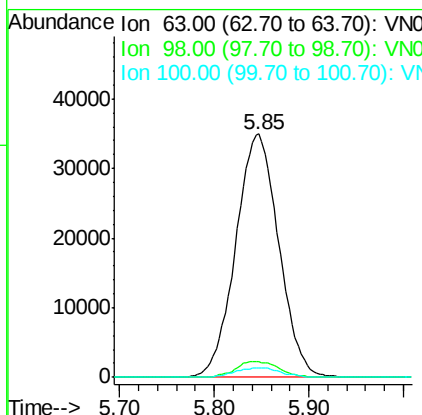
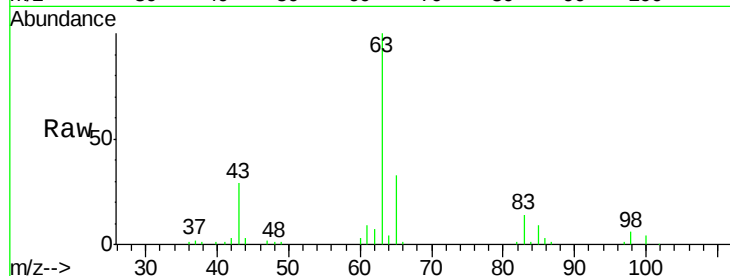
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	110367
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.5	10.5
100	4.0	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 19.241 ug/l

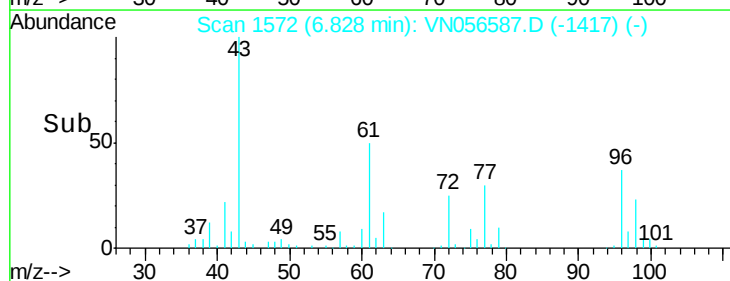
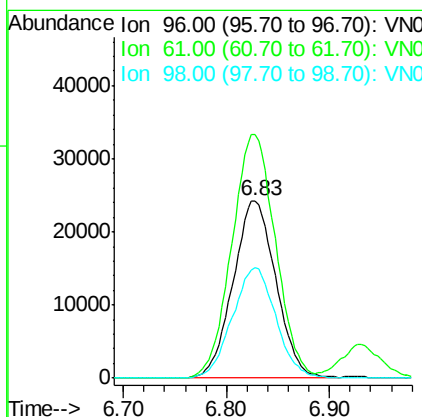
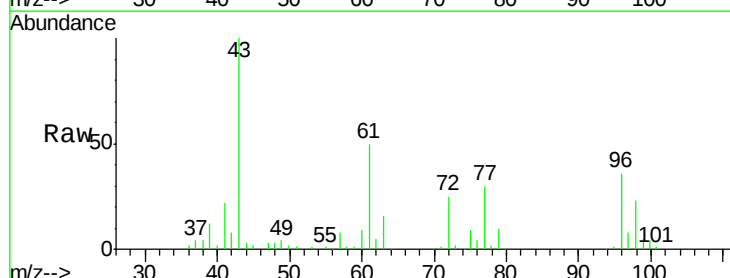
RT: 6.83 min Scan# 1572

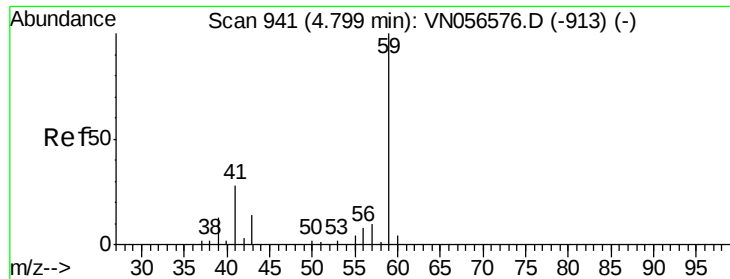
Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Tgt Ion:	96	Resp:	70114
Ion Ratio	Lower	Upper	
96	100		
61	139.6	105.7	158.5
98	62.8	52.0	78.0





#23

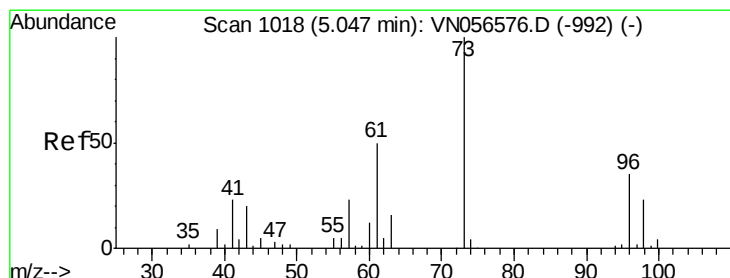
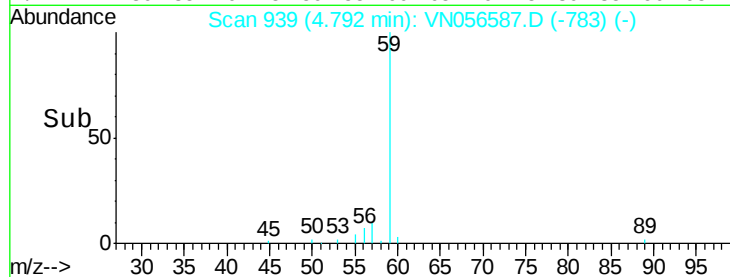
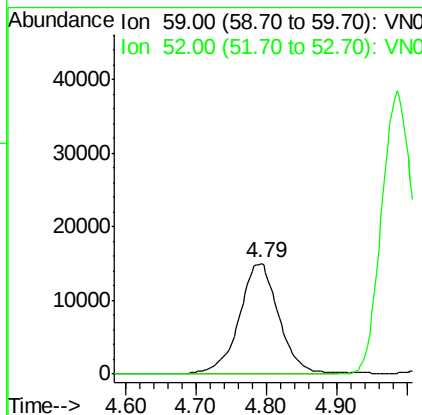
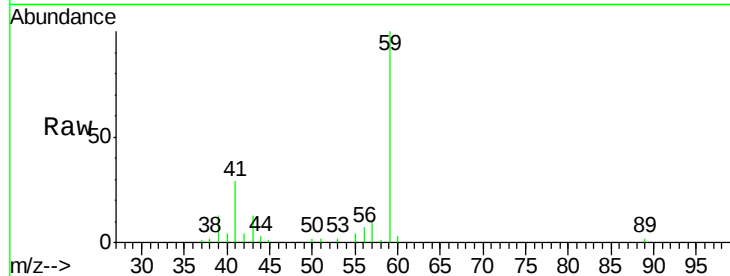
tert-Butyl Alcohol
 Concen: 92.953 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion: 59 Resp: 58825
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

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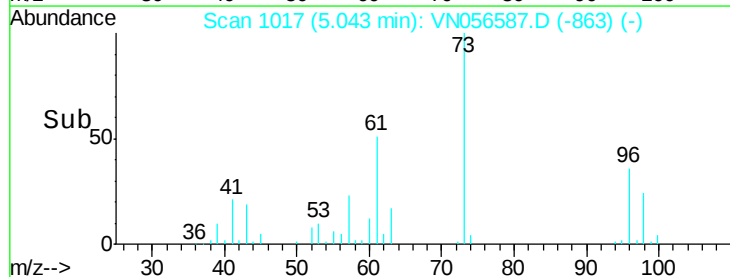
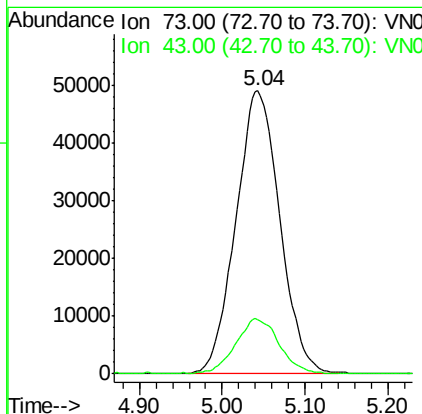
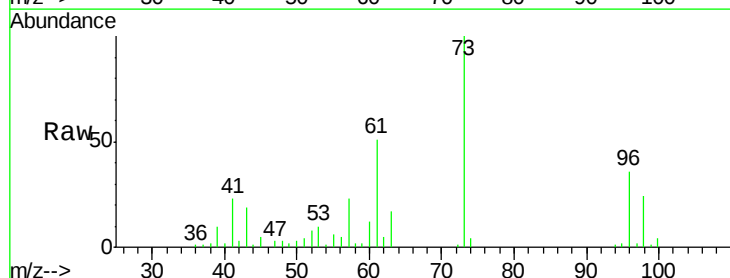
MMDadoda
 7/8/2019 10:05:29 AM

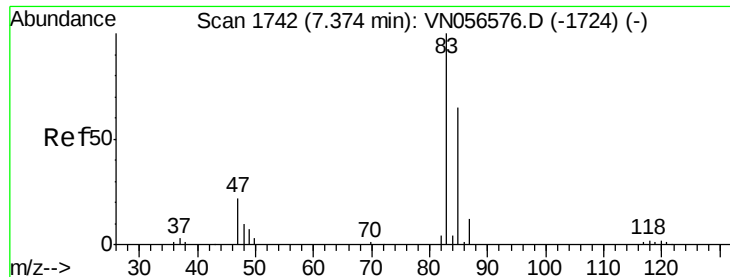


#24

Methyl tert-Butyl Ether
 Concen: 19.119 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 73 Resp: 180665
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.4 23.0





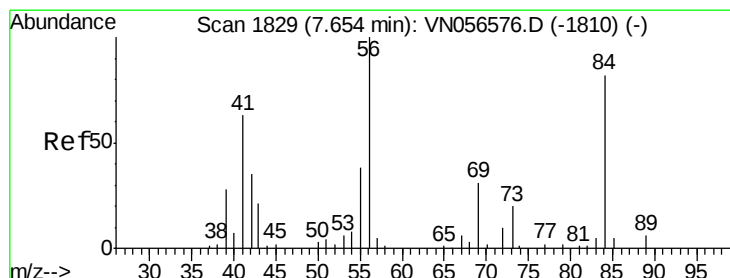
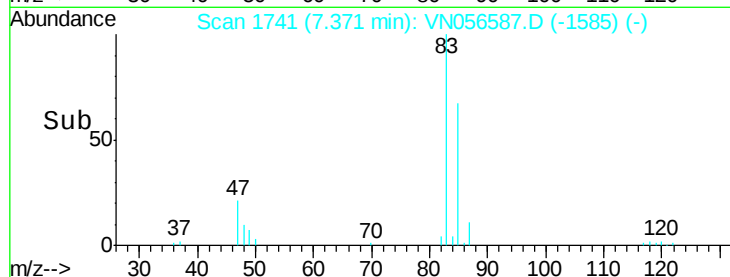
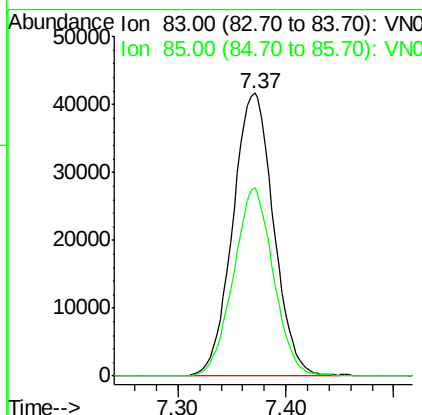
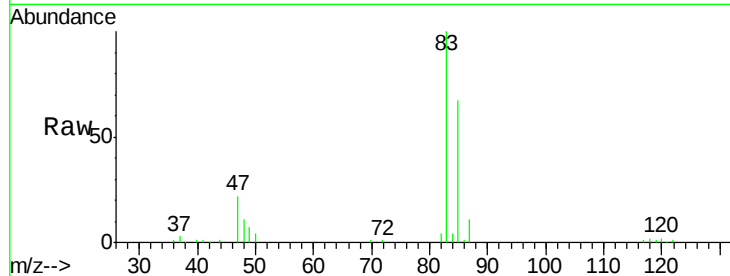
#25
Chloroform
Concen: 19.215 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 109745
Ion Ratio Lower Upper
83 100
85 66.8 52.0 78.0

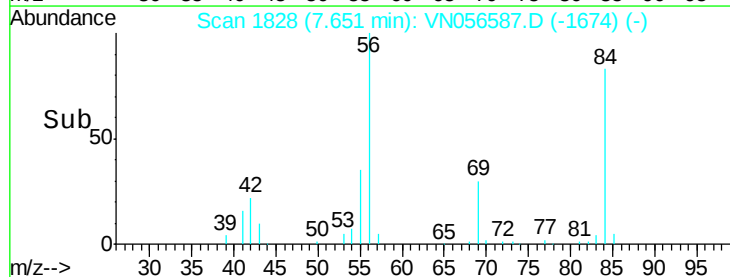
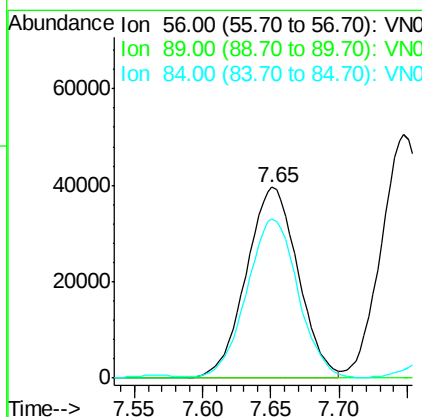
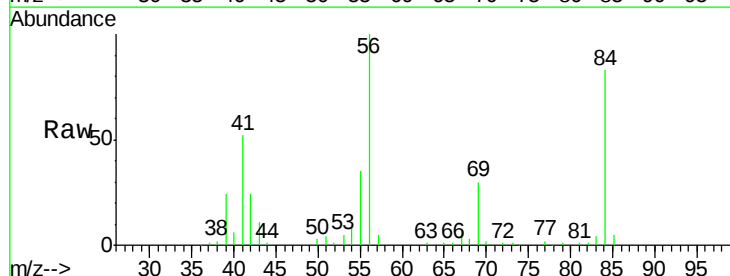
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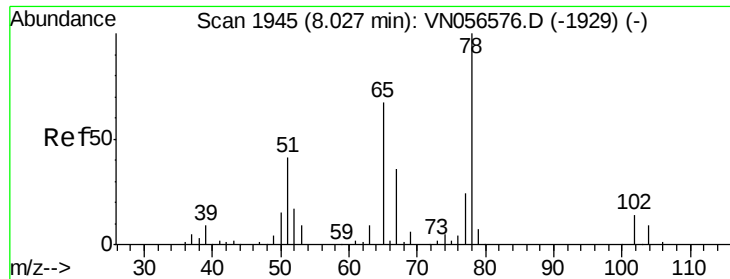
MMDadoda
7/8/2019 10:05:29 AM



#26
Cyclohexane
Concen: 19.403 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 56 Resp: 104136
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.9 70.1 105.1





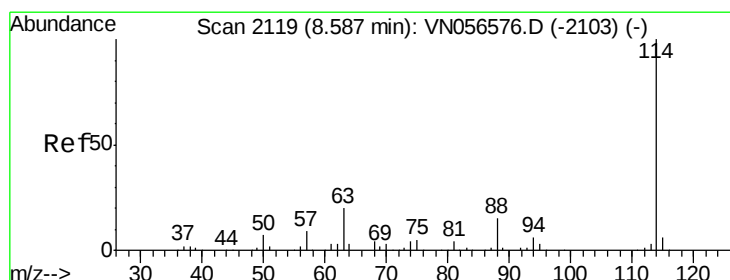
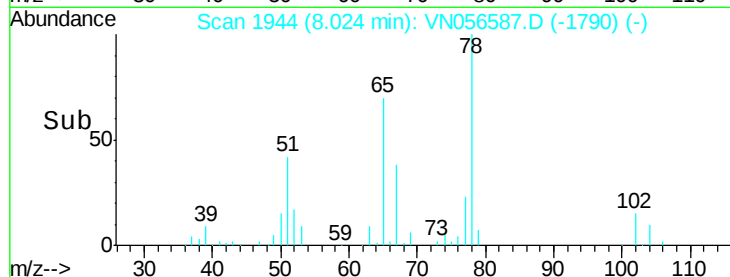
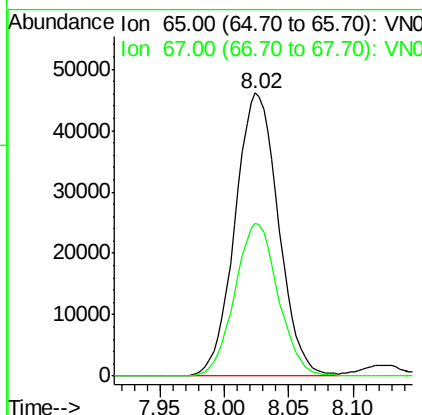
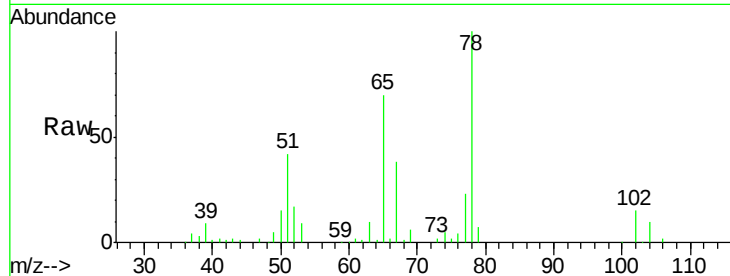
#27
 1,2-Dichloroethane-d4
 Concen: 30.000 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 108097
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.4 65.2

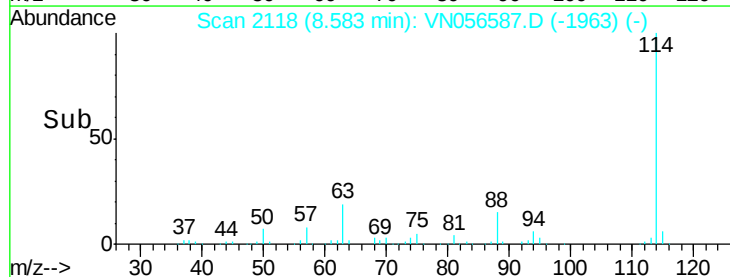
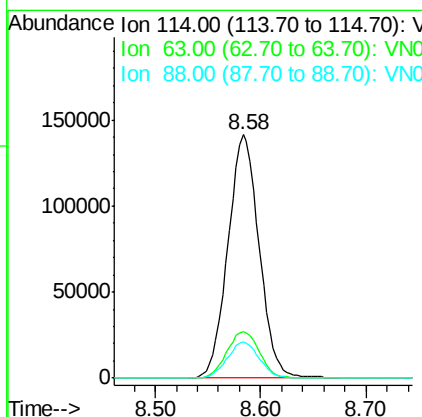
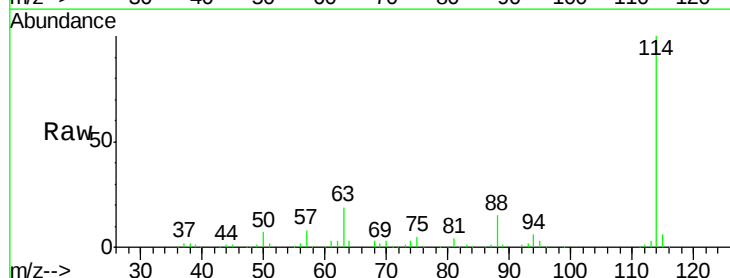
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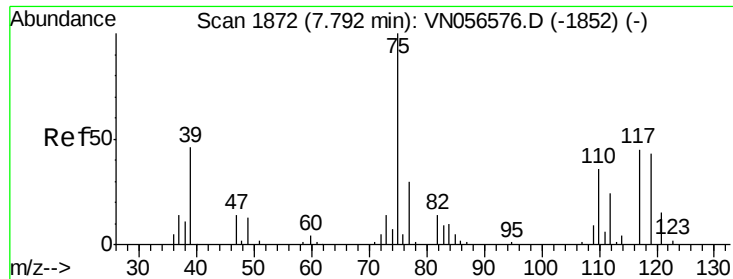
MMDadoda
 7/8/2019 10:05:29 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 114 Resp: 289769
 Ion Ratio Lower Upper
 114 100
 63 20.0 14.7 22.1
 88 15.2 11.9 17.9





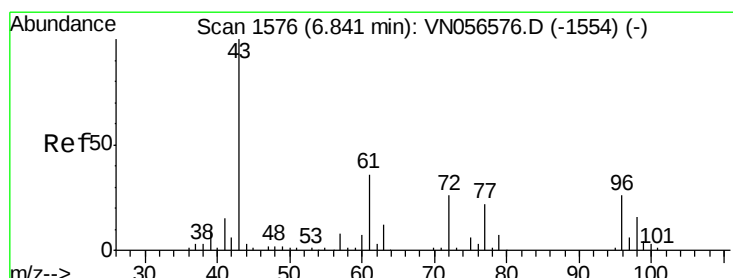
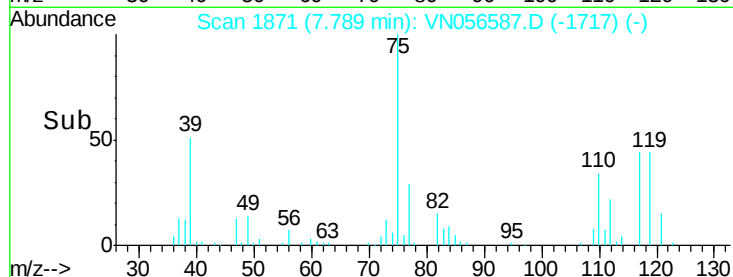
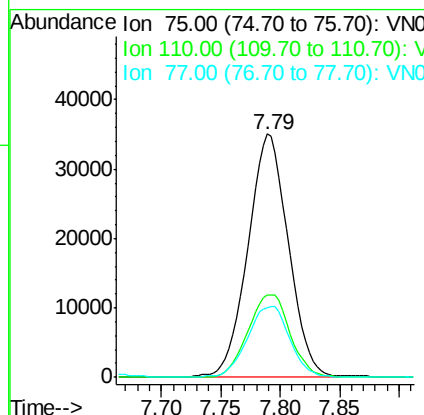
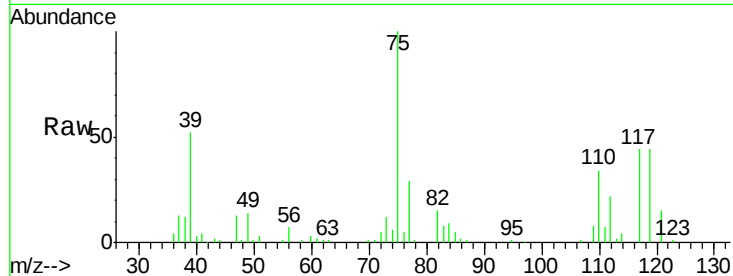
#29
 1,1-Dichloropropene
 Concen: 19.323 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.2	0.0	77.0
77	30.6	0.0	62.4

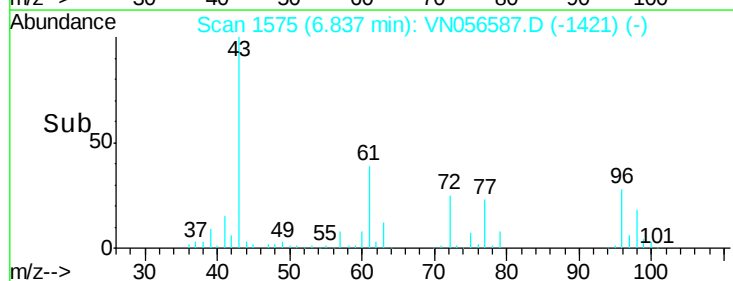
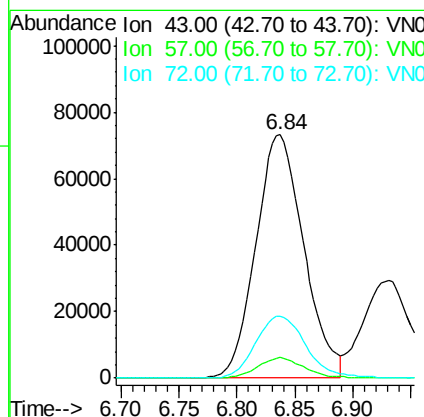
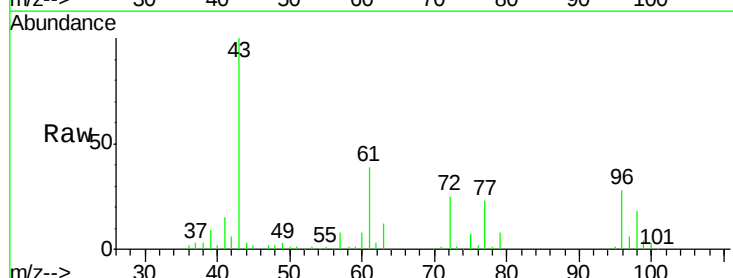
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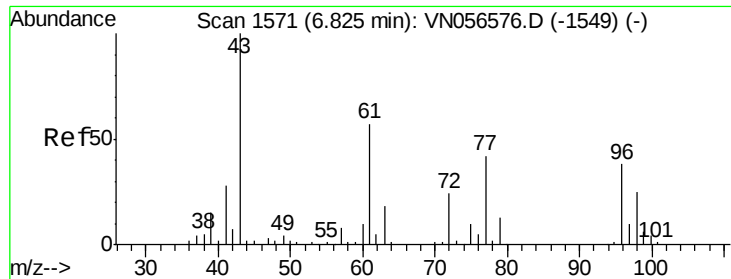
MMDadoda
 7/8/2019 10:05:29 AM



#30
 2-Butanone
 Concen: 88.376 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.7	10.1
72	26.8	22.4	33.6





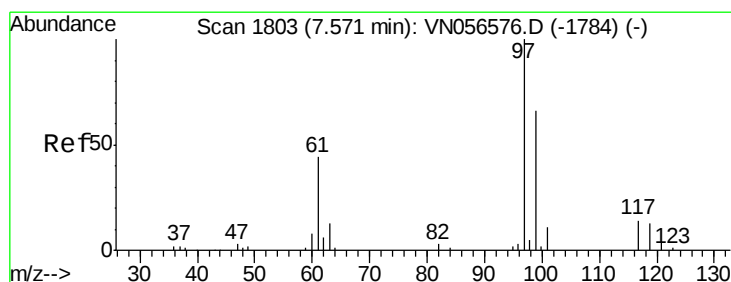
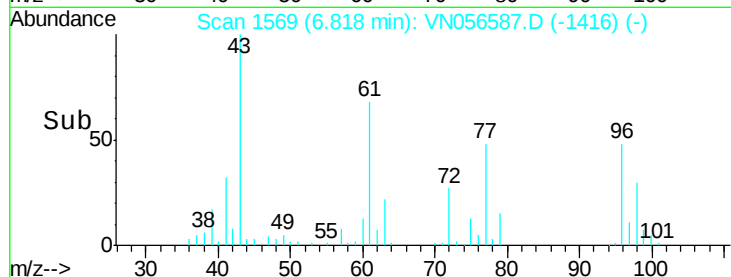
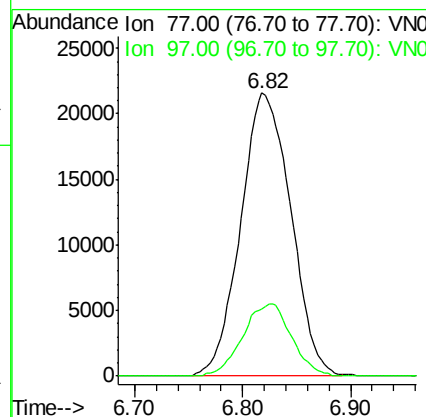
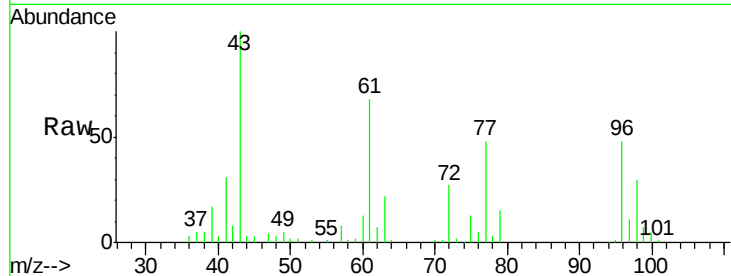
#31
 2,2-Dichloropropane
 Concen: 16.954 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 69753
 Ion Ratio Lower Upper
 77 100
 97 24.7 20.8 31.2

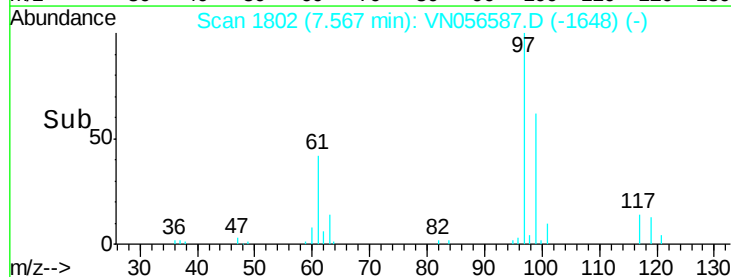
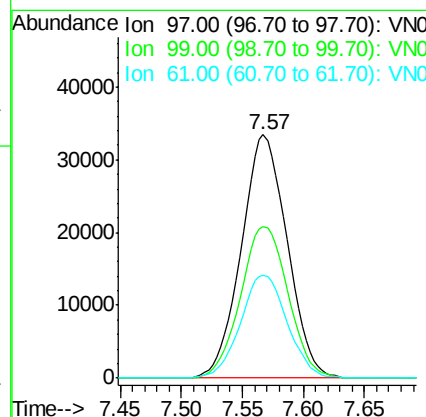
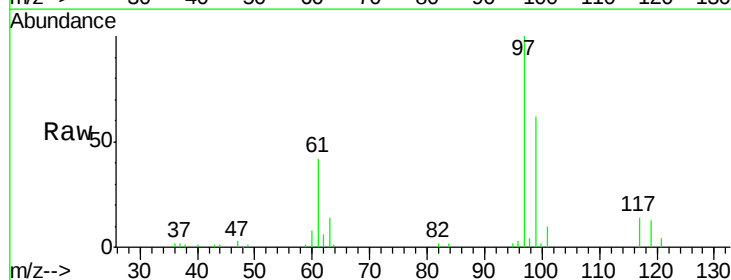
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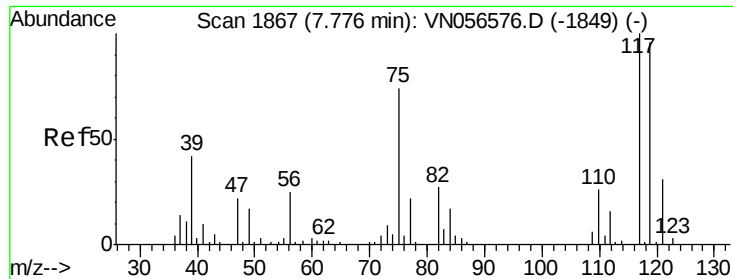
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#32
 1,1,1-Trichloroethane
 Concen: 19.118 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 97 Resp: 87207
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.5 77.3
 61 43.2 32.9 49.3





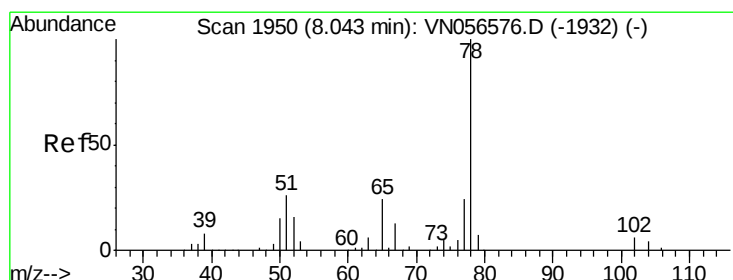
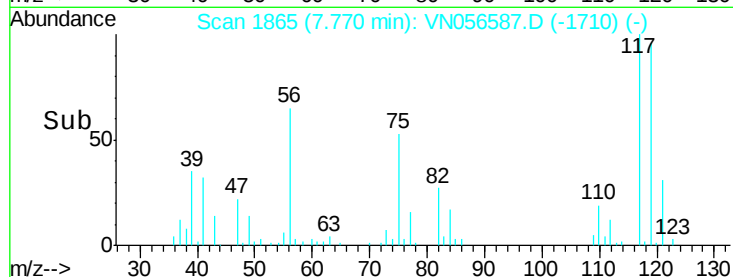
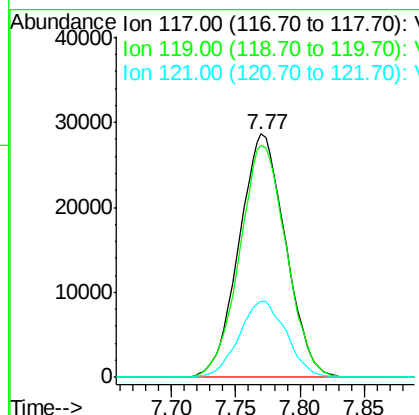
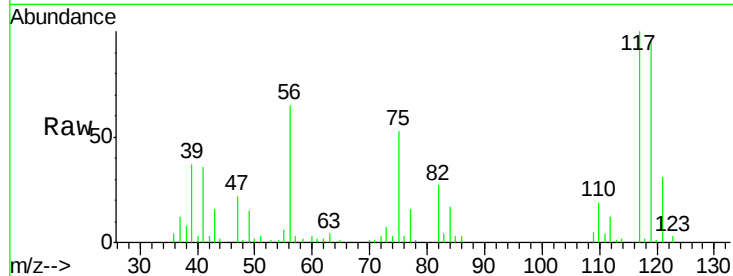
#33
Carbon Tetrachloride
Concen: 18.597 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.3	115.9
121	31.2	25.0	37.4

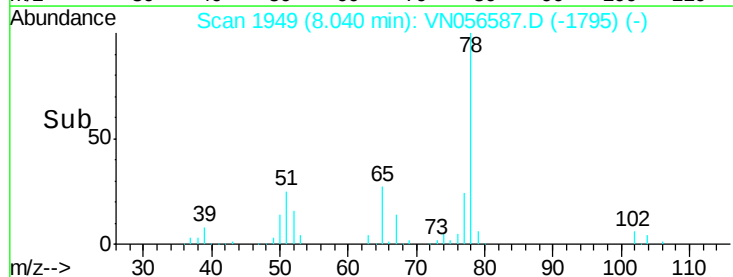
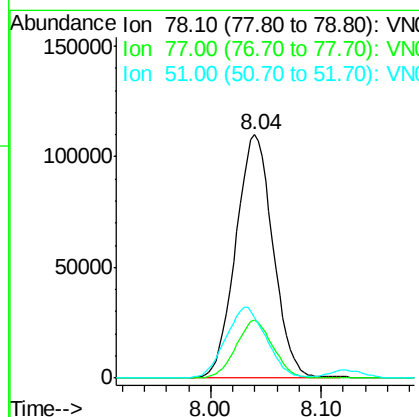
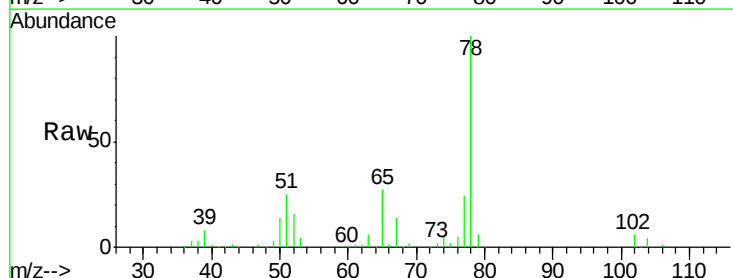
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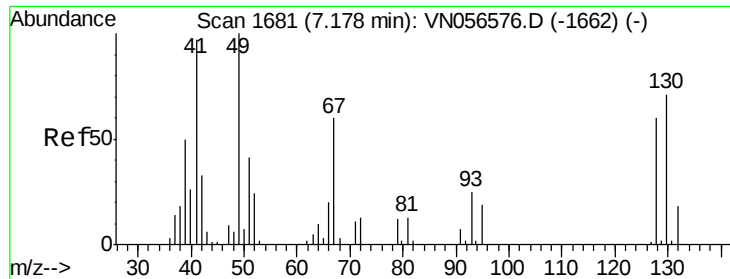
MMDadoda
7/8/2019 10:05:29 AM



#34
Benzene
Concen: 19.272 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
51	24.7	19.8	29.8





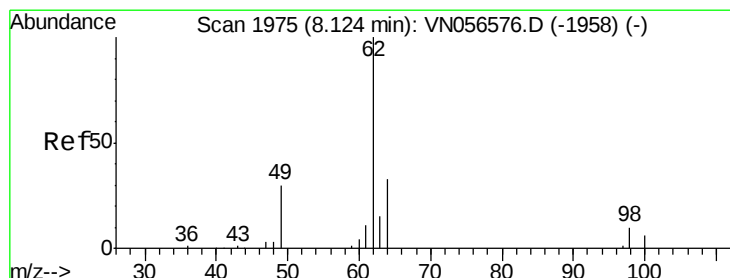
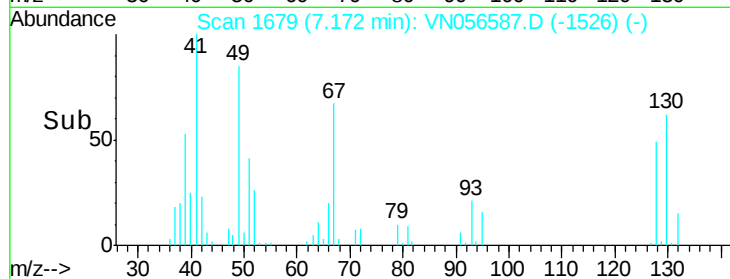
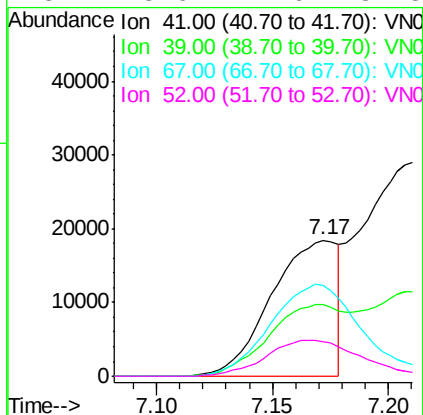
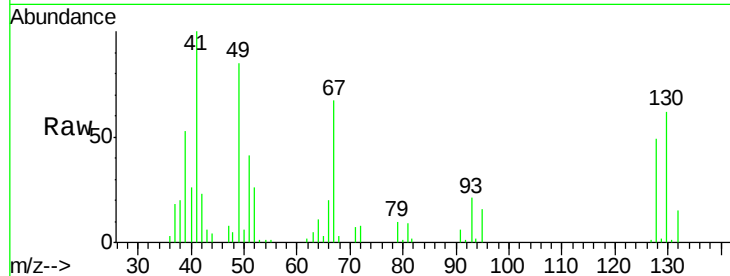
#35
Methacrylonitrile
Concen: 17.409 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	36674
Ion	Ratio	Lower	Upper
41	100		
39	52.9	24.8	74.3
67	66.7	34.3	102.9
52	25.6	12.6	37.8

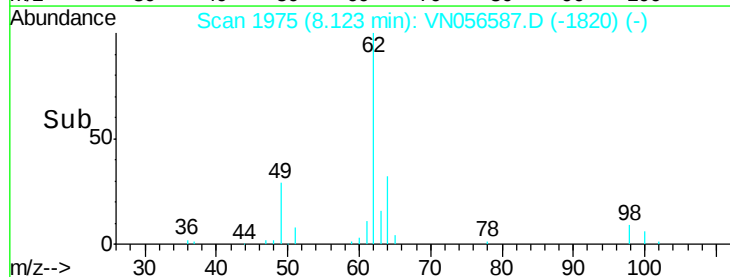
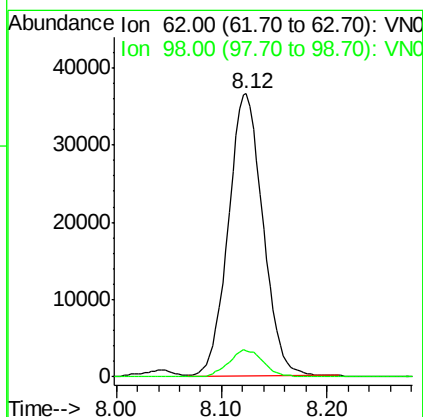
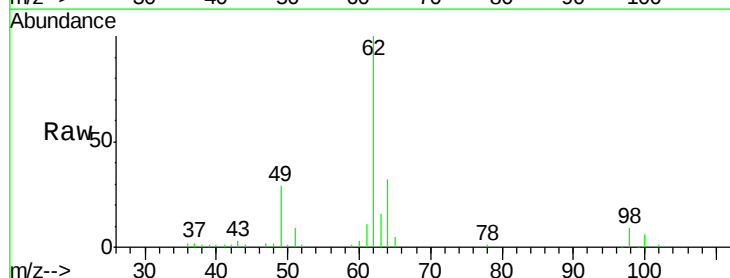
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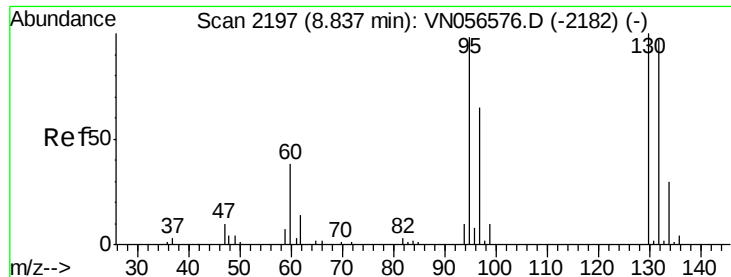
MMDadoda
7/8/2019 10:05:29 AM



#36
1,2-Dichloroethane
Concen: 19.124 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	62	Resp	83167
Ion	Ratio	Lower	Upper
62	100		
98	9.5	8.6	13.0





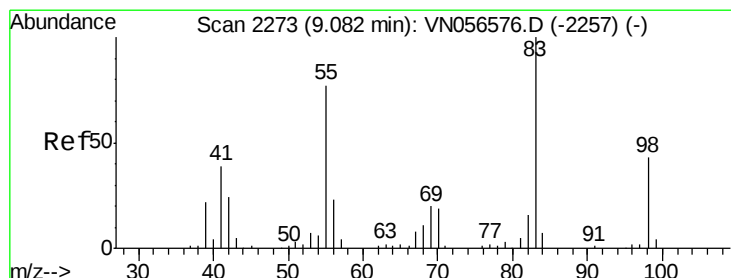
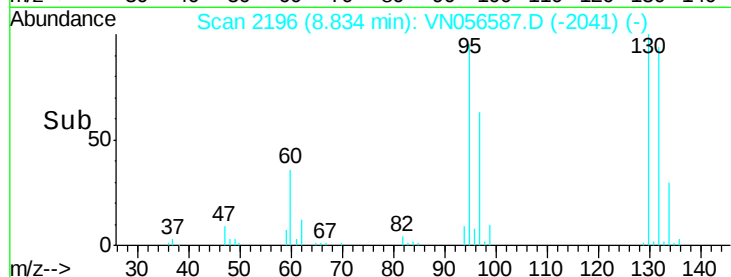
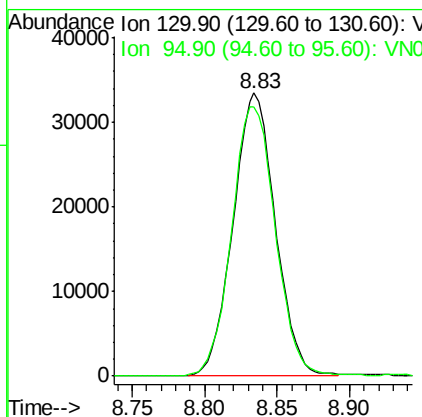
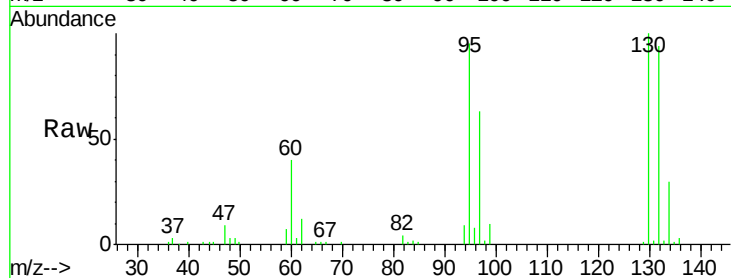
#37
 Trichloroethene
 Concen: 19.397 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 67689
 Ion Ratio Lower Upper
 130 100
 95 94.8 73.0 109.6

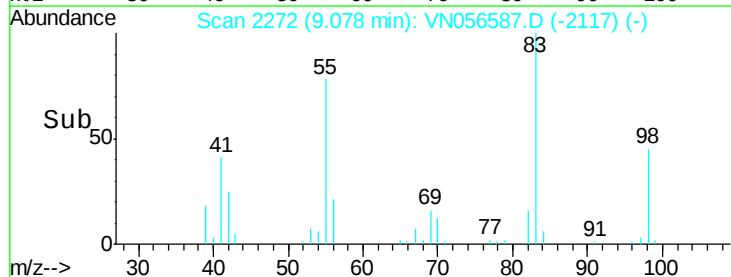
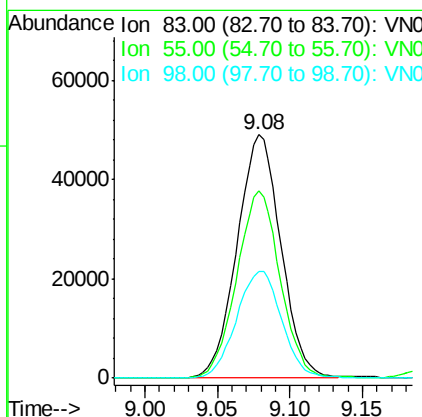
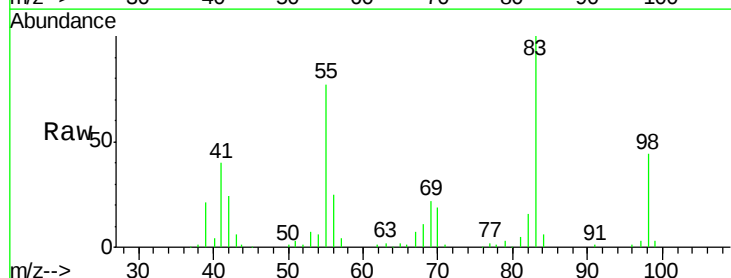
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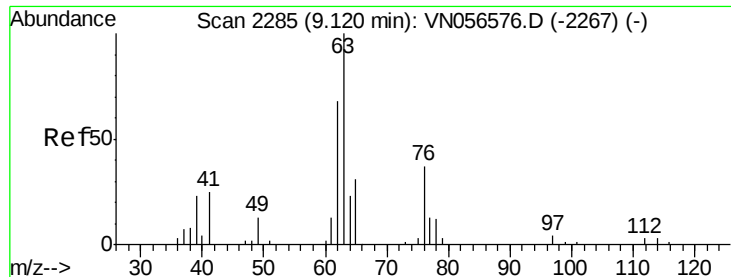
MMDadoda
 7/8/2019 10:05:29 AM



#38
 Methylcyclohexane
 Concen: 19.228 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 83 Resp: 103107
 Ion Ratio Lower Upper
 83 100
 55 75.8 37.5 112.7
 98 45.3 23.1 69.3





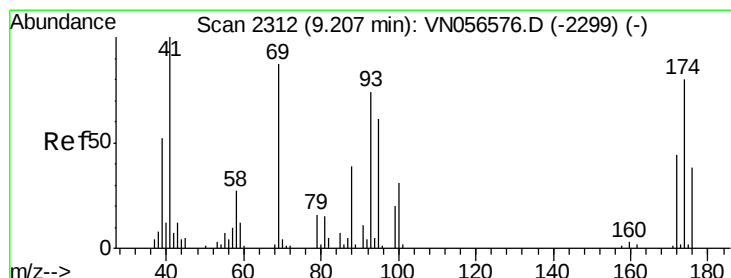
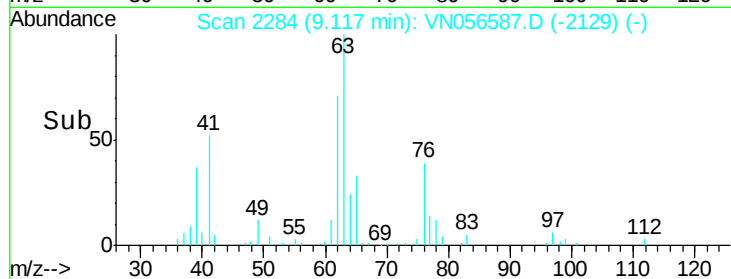
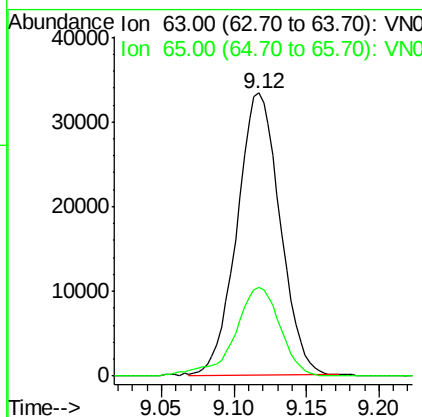
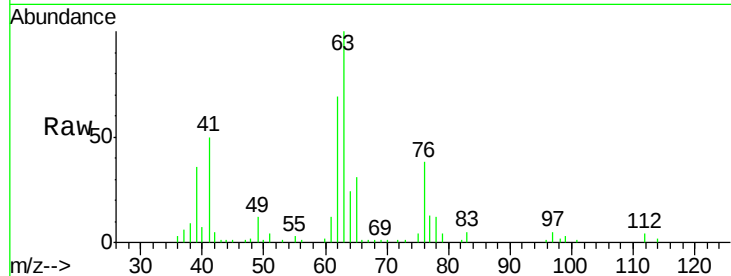
#39
 1,2-Dichloropropane
 Concen: 19.126 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 68891
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.1 34.7

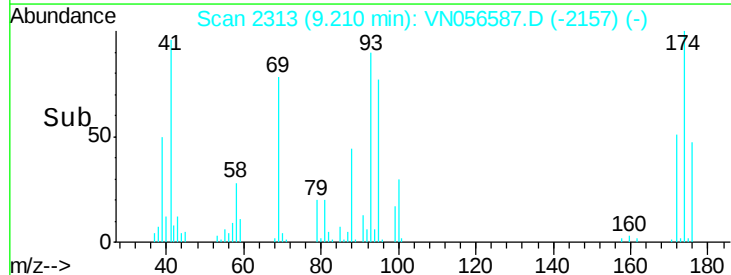
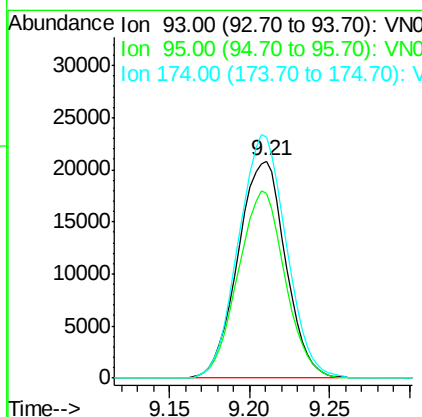
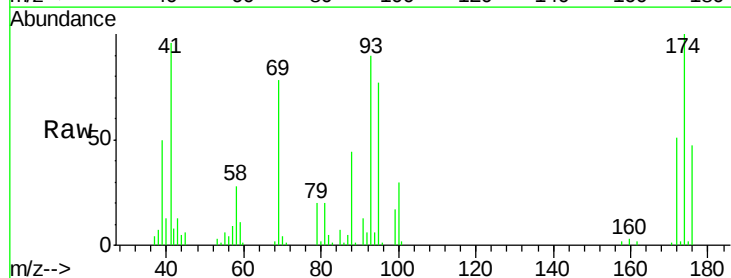
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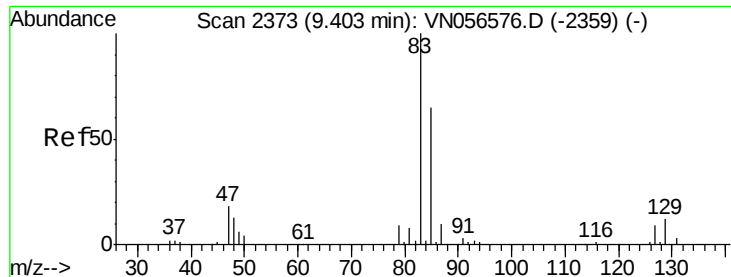
MMDadoda
 7/8/2019 10:05:29 AM



#40
 Dibromomethane
 Concen: 19.094 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion: 93 Resp: 42514
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 169.0
 174 112.3 0.0 246.4





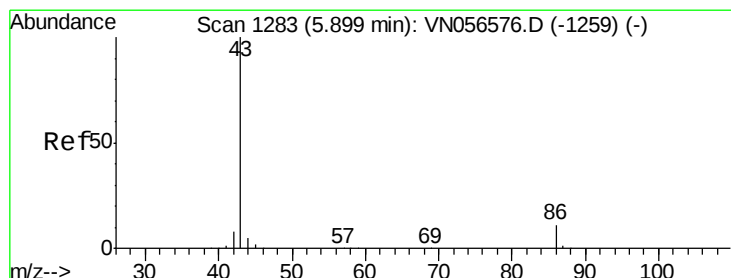
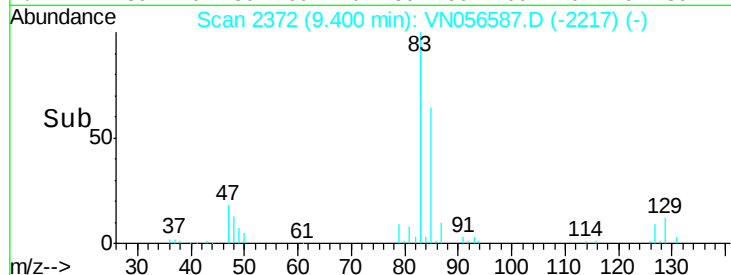
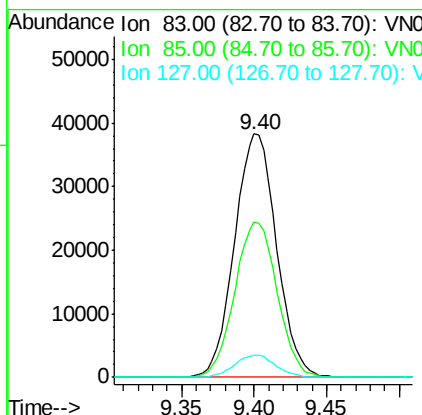
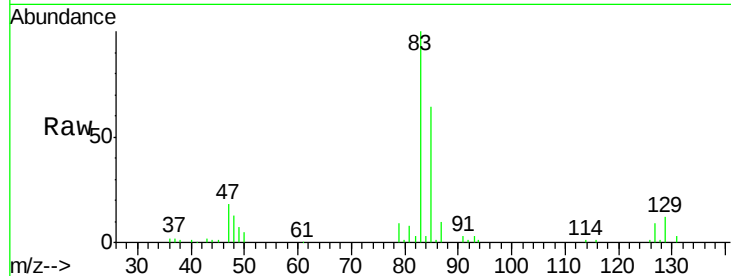
#41
Bromodichloromethane
Concen: 18.623 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	76849
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	51.8	77.6
127	9.1	7.3	10.9

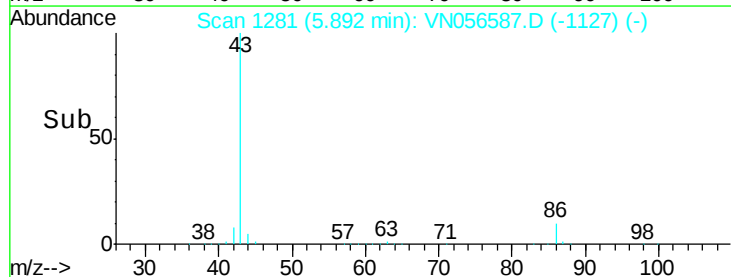
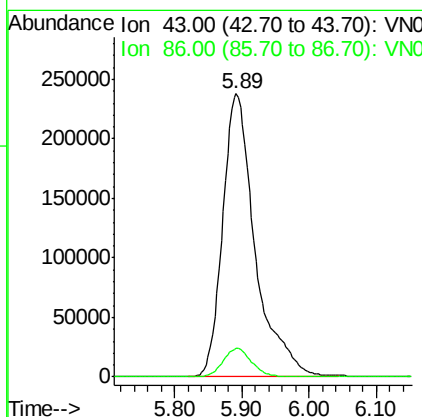
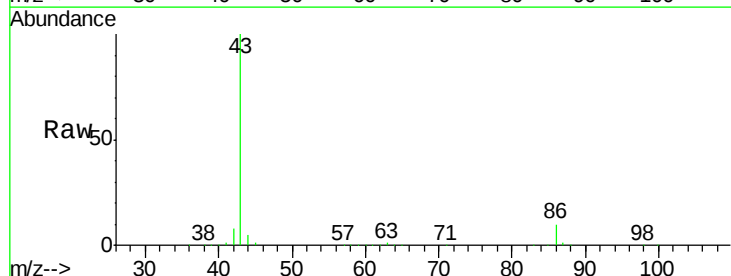
Manual Integrations
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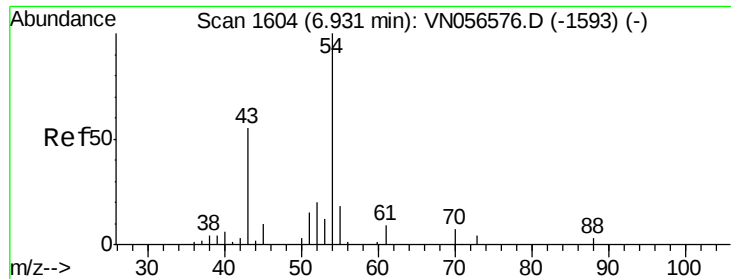
MMDadoda
7/8/2019 10:05:29 AM



#42
Vinyl Acetate
Concen: 94.849 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	43	Resp	801135
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	7.9	11.9





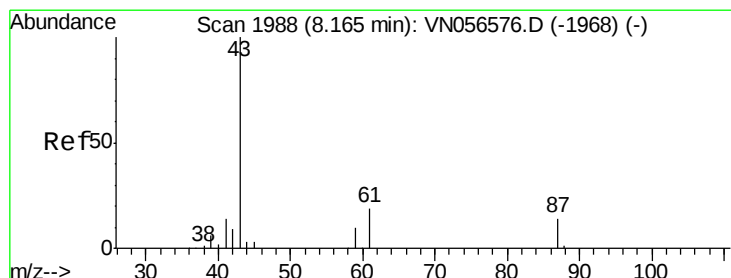
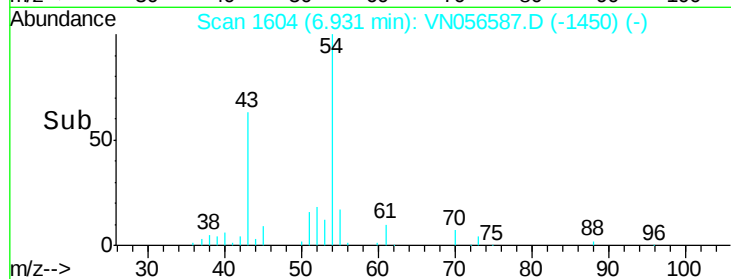
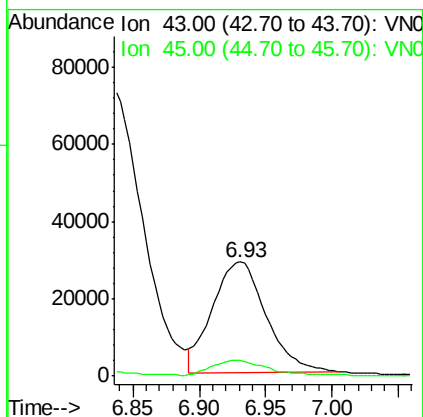
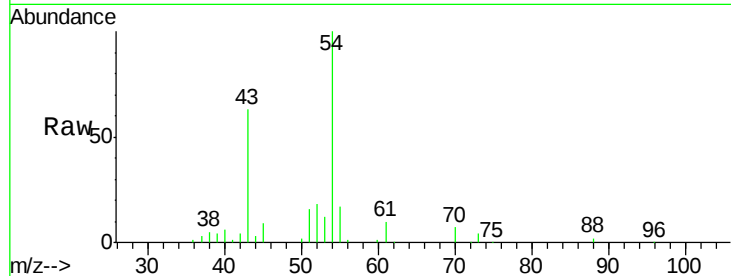
#43
Ethyl Acetate
Concen: 17.581 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 80676
Ion Ratio Lower Upper
43 100
45 13.6 12.3 18.5

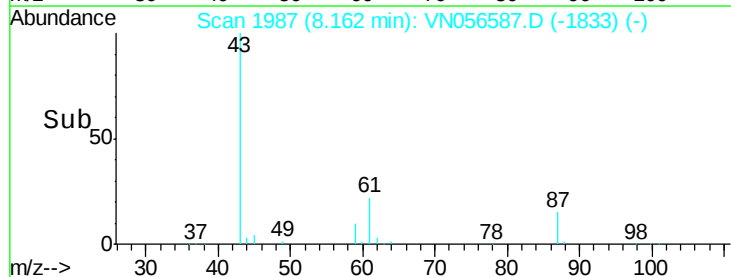
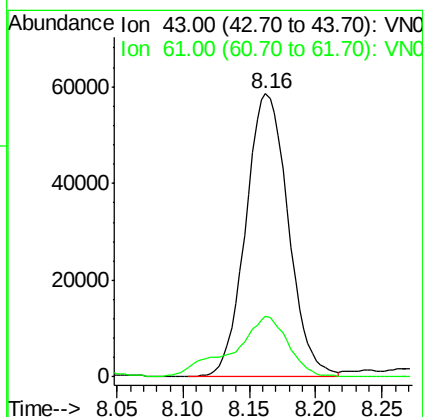
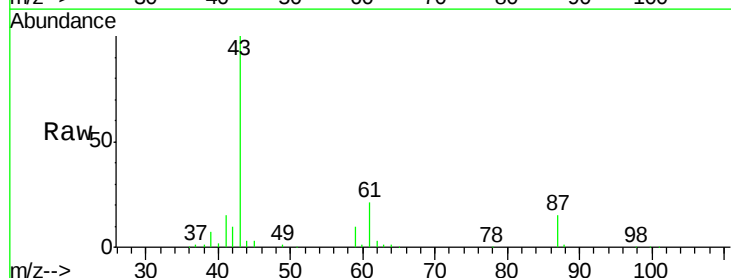
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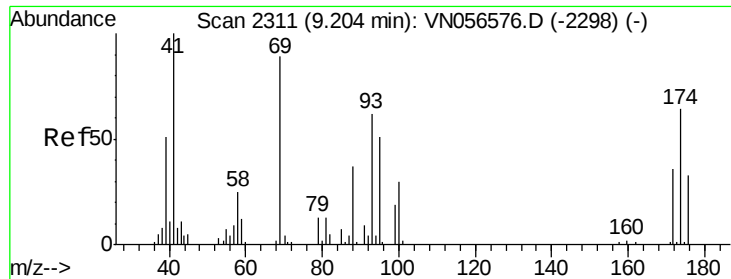
MMDadoda
7/8/2019 10:05:29 AM



#44
Isopropyl Acetate
Concen: 18.298 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion: 43 Resp: 130998
Ion Ratio Lower Upper
43 100
61 27.8 16.9 25.3#





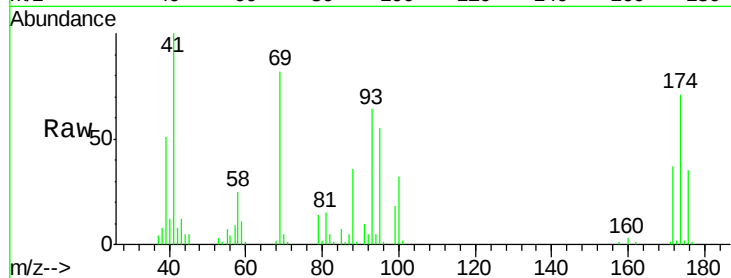
#45
 1,4-Dioxane
 Concen: 391.557 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

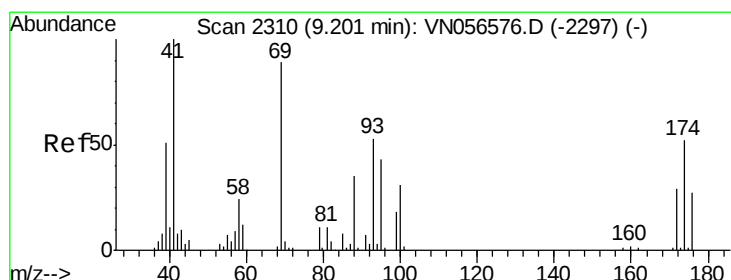
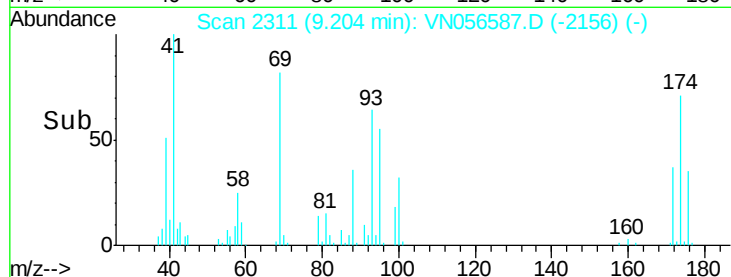
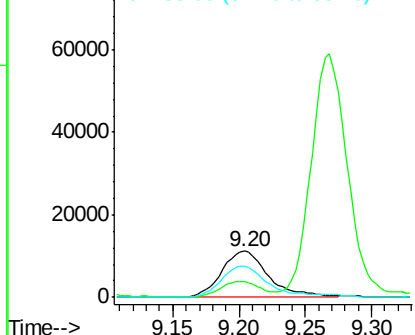
Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	19.8	29.6
58	66.4	48.5	72.7

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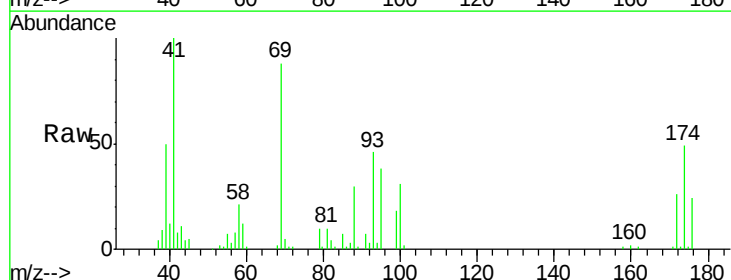


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

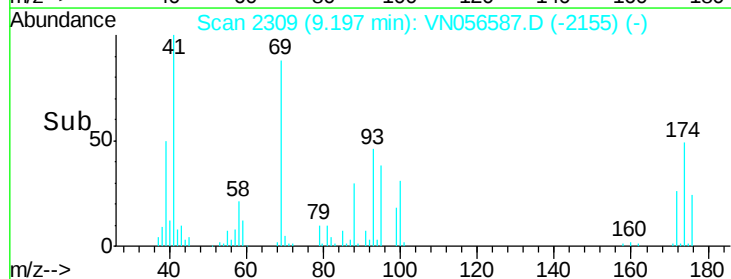
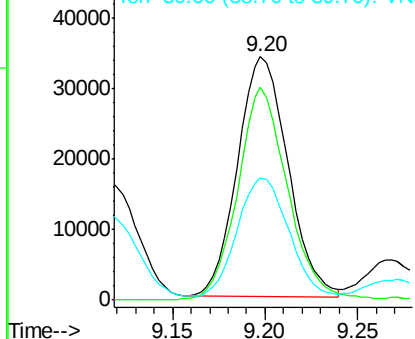


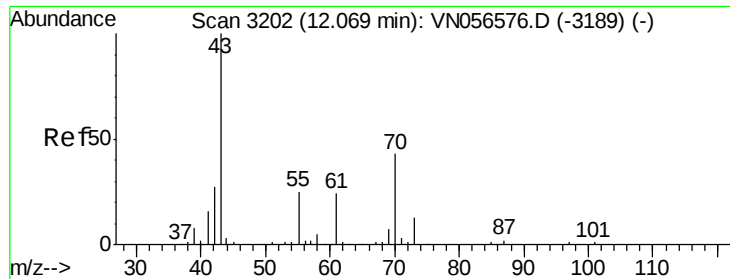
#46
 Methyl methacrylate
 Concen: 18.293 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.4	46.0	137.8
39	49.4	24.6	73.8



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





#47

n-amvl Acetate

Concen: 17.975 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 43 Resp: 106964

Ion Ratio Lower Upper

43 100

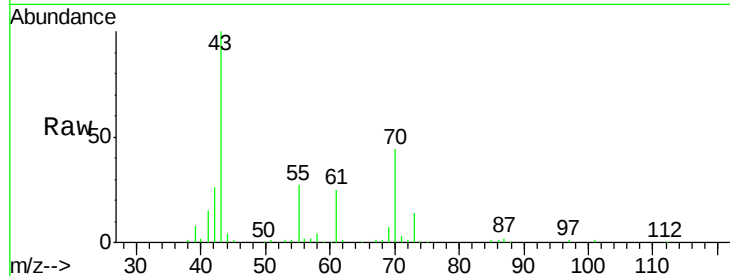
55 26.3 19.0 28.6

Manual Integrations

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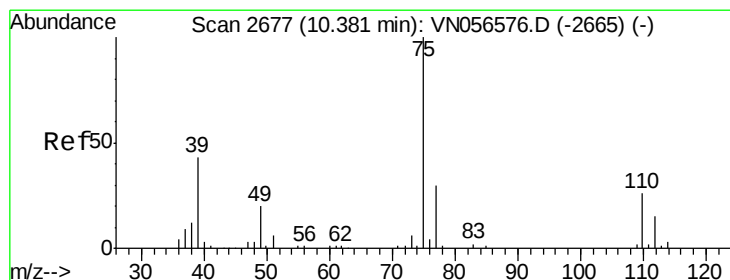
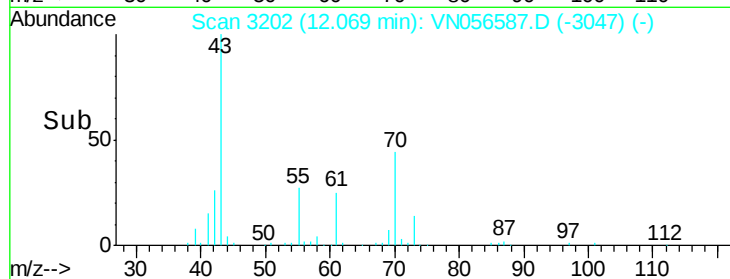
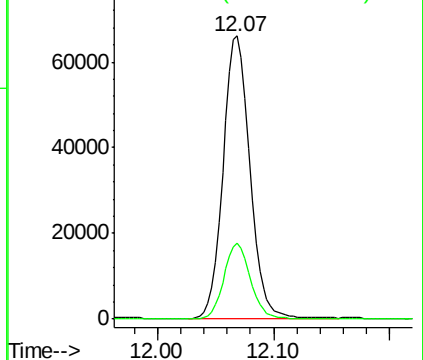
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.020 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056587.D

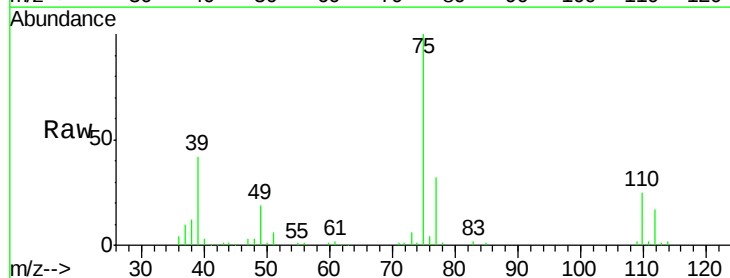
Acq: 3 Jul 2019 15:17

Tgt Ion: 75 Resp: 79697

Ion Ratio Lower Upper

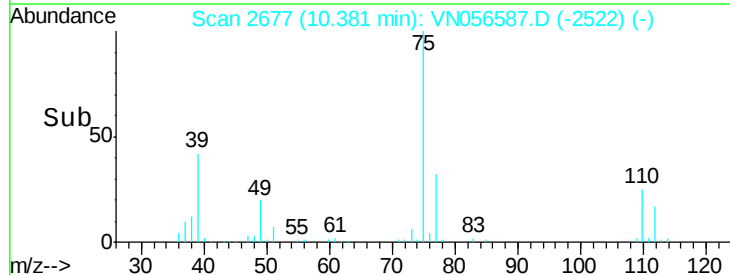
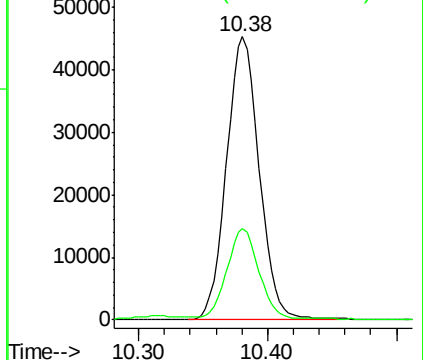
75 100

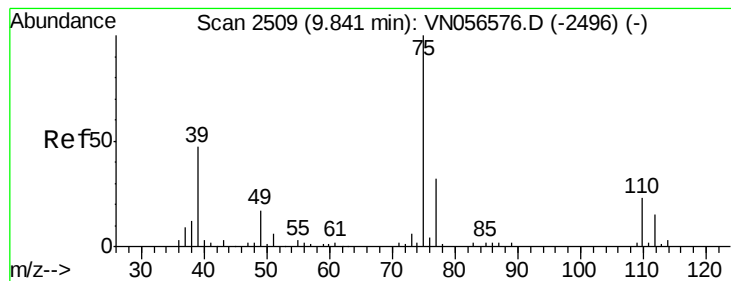
77 32.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

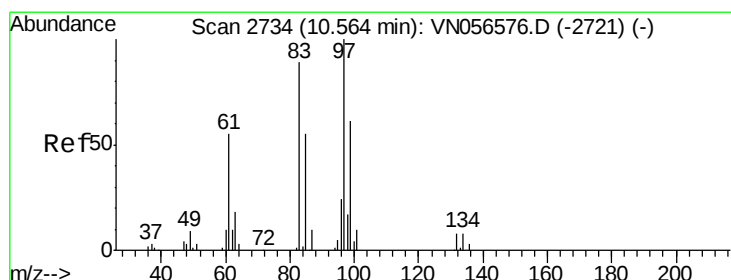
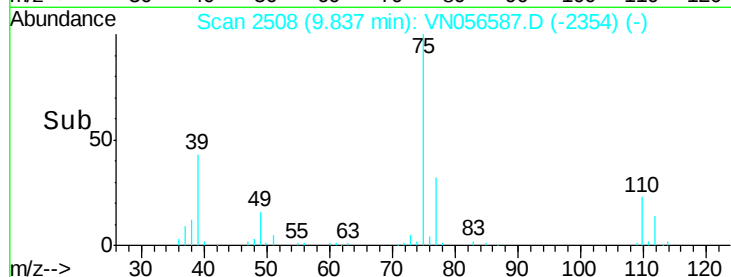
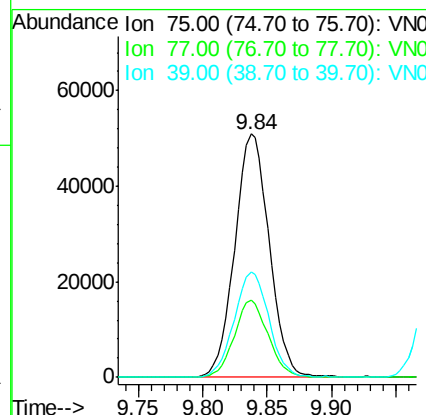
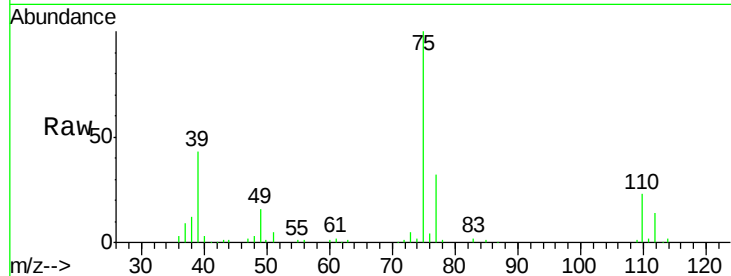
cis-1,3-Dichloropropene
Concen: 18.563 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	43.2	34.3	51.5

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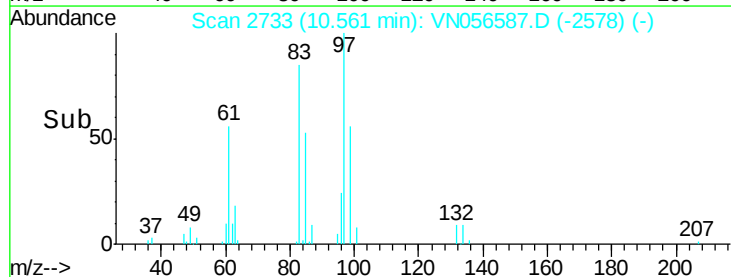
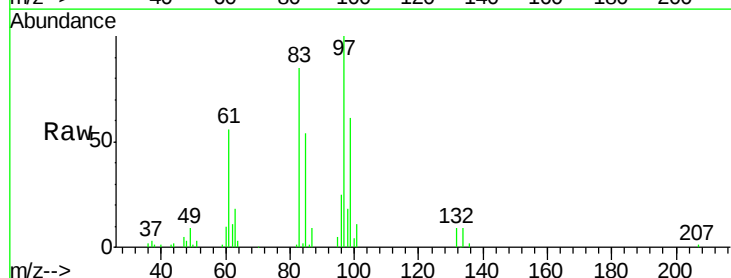
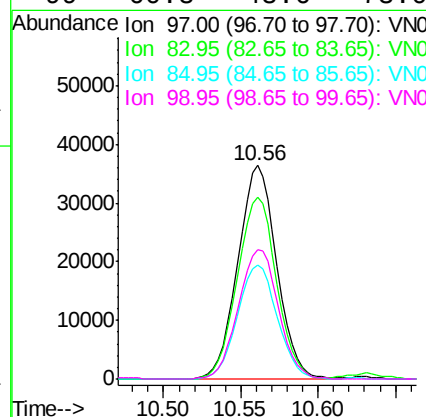
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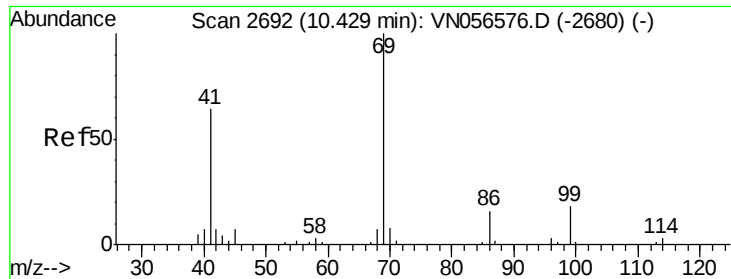


#50

1,1,2-Trichloroethane
Concen: 19.340 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.9	100.3
85	53.6	43.3	64.9
99	60.8	48.6	73.0





#51

Ethyl methacrylate

Concen: 18.574 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

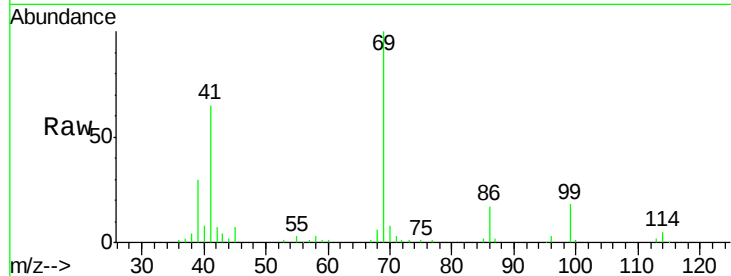
ClientSampled :

VSTDCCC020EC

Tot Ion:	69	Resp:	95954
Ion Ratio	Lower	Upper	
69	100		
41	64.3	30.8	92.3
39	29.4	14.5	43.6

Manual Integrations
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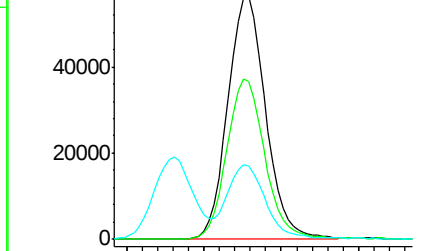
MMDadoda
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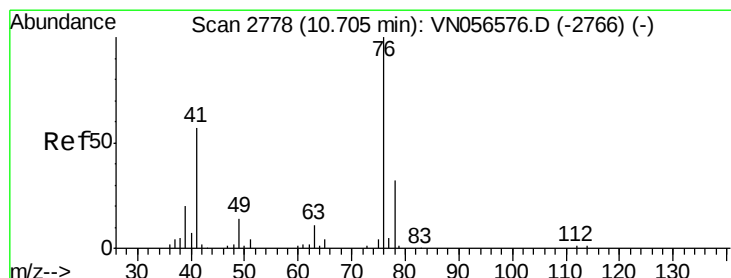
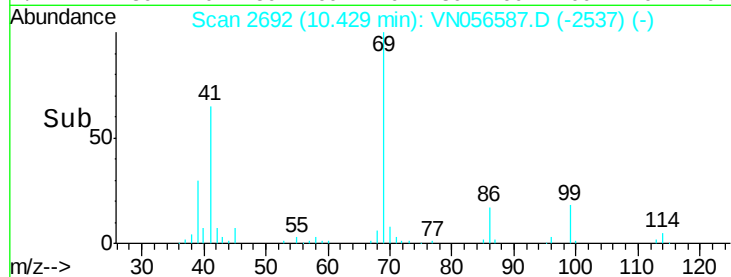
Abundance Ion 69.00 (68.70 to 69.70): VN056587.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN056587.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN056587.D (-2537) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 19.139 ug/l

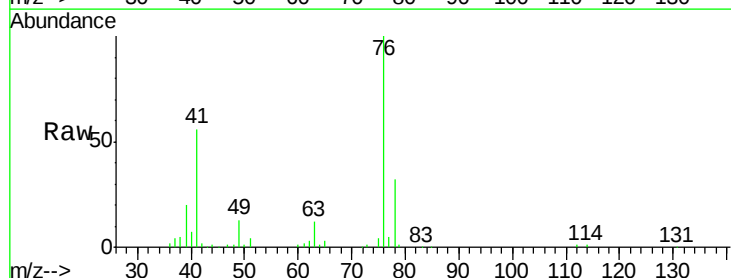
RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056587.D

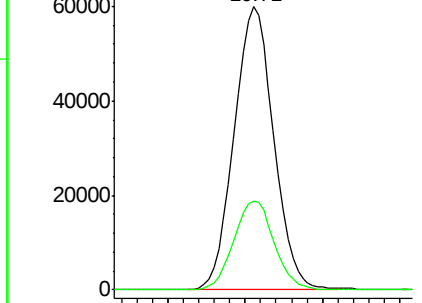
Acq: 3 Jul 2019 15:17

Tgt Ion:	76	Resp:	106673
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.4

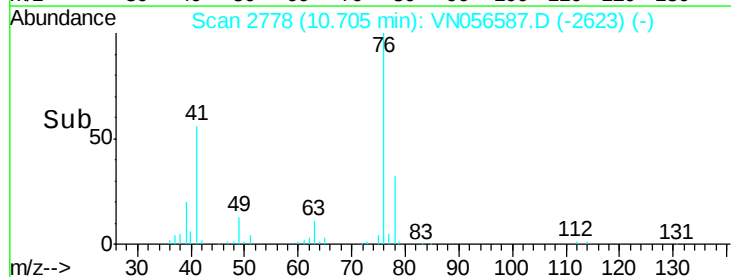


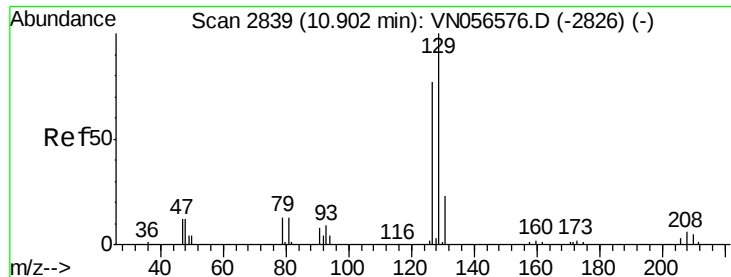
Abundance Ion 76.00 (75.70 to 76.70): VN056587.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN056587.D (-2623) (-)



Time-->





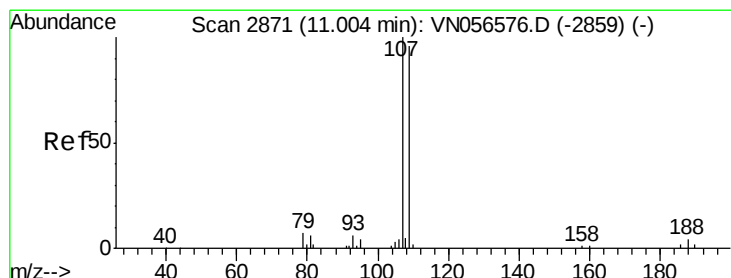
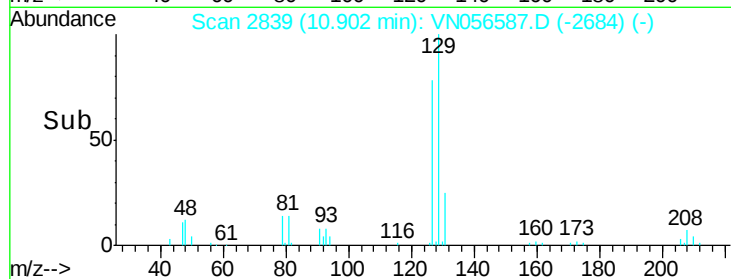
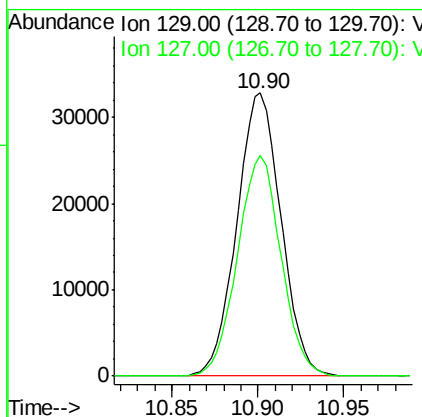
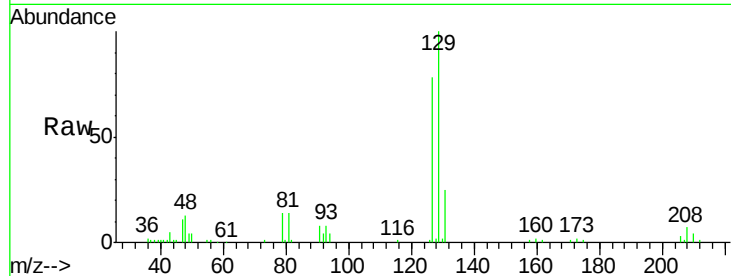
#53
Dibromochloromethane
Concen: 18.195 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 58494
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.5

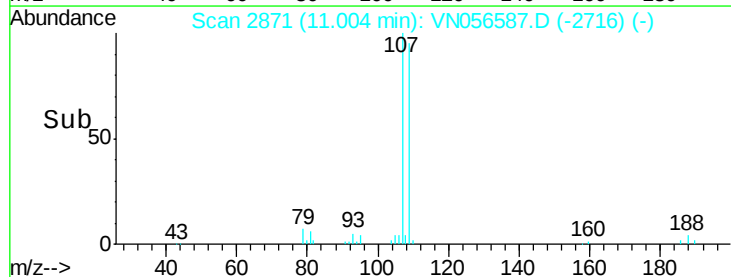
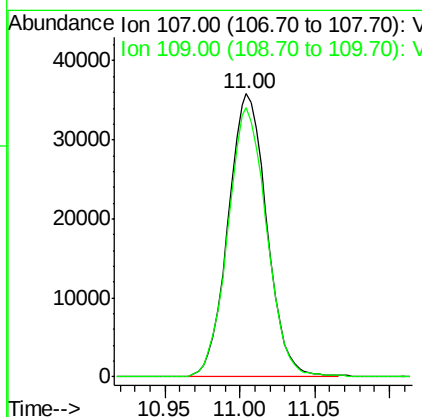
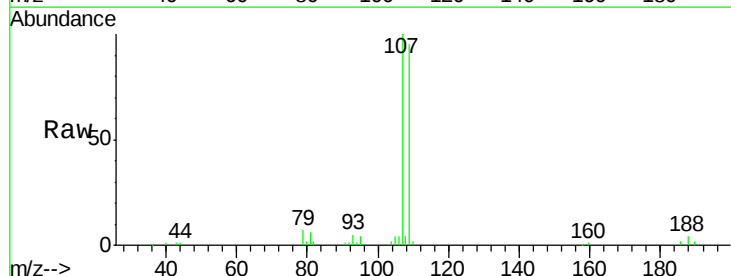
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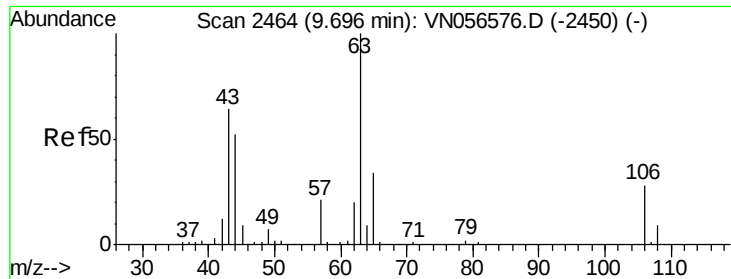
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#54
1,2-Dibromoethane
Concen: 18.866 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion:107 Resp: 64479
Ion Ratio Lower Upper
107 100
109 95.5 76.8 115.2





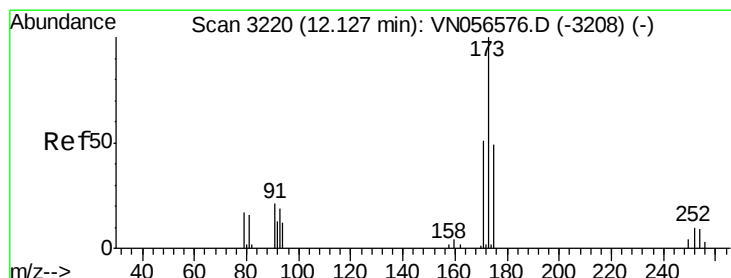
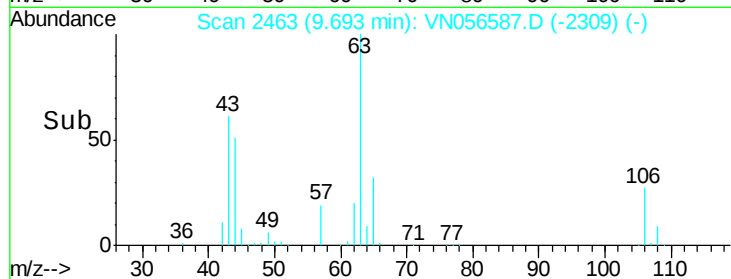
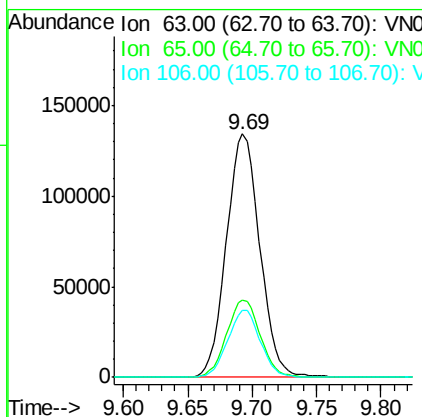
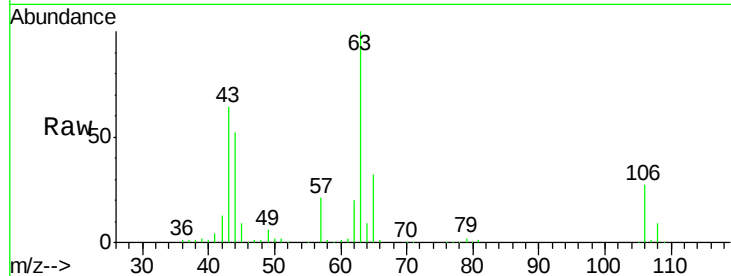
#55
2-Chloroethyl vinyl ether
Concen: 92.112 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	26.9	23.0	34.4

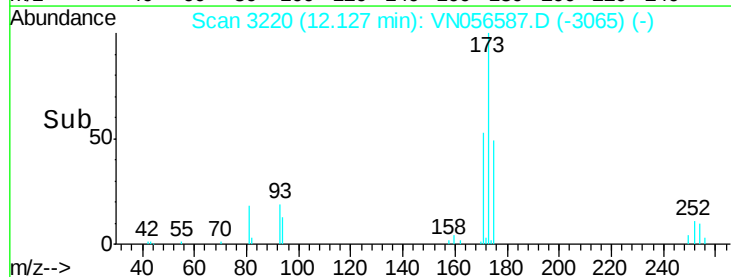
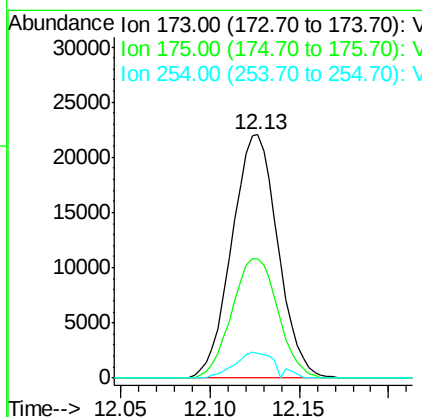
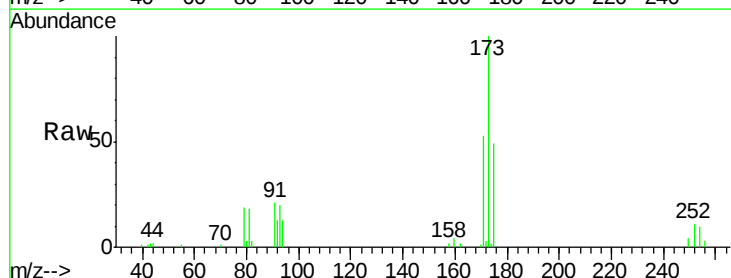
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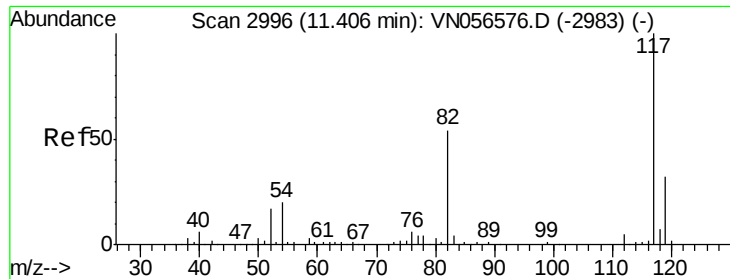
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#56
Bromoform
Concen: 17.010 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.7	58.1
254	8.5	6.6	9.8





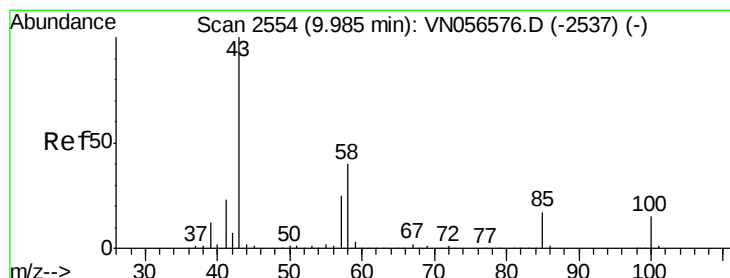
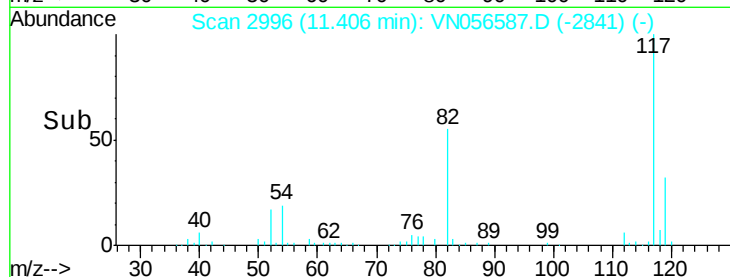
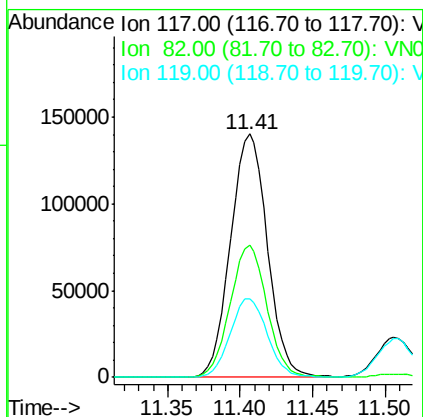
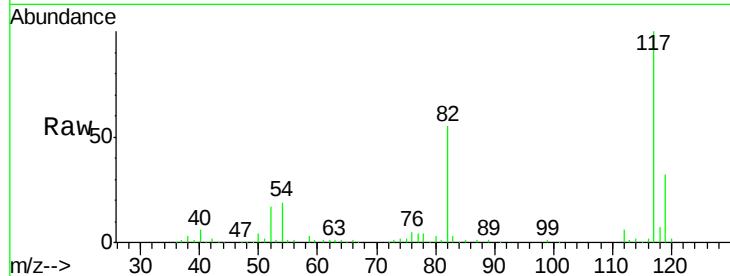
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.2	61.8
119	32.7	26.2	39.2

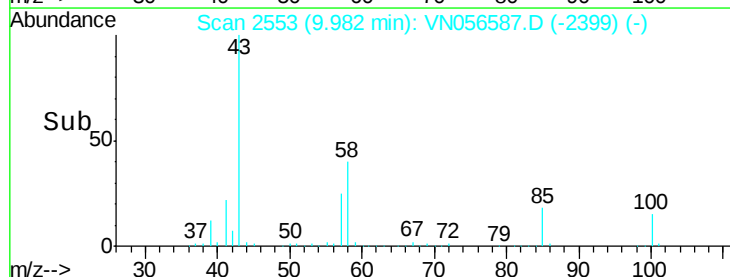
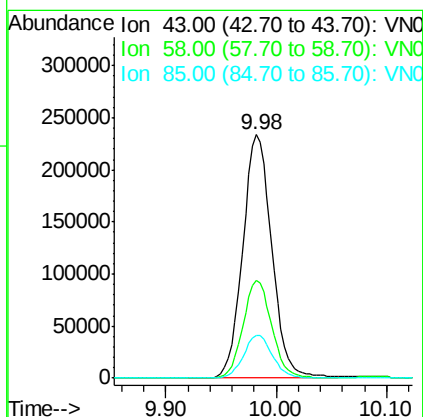
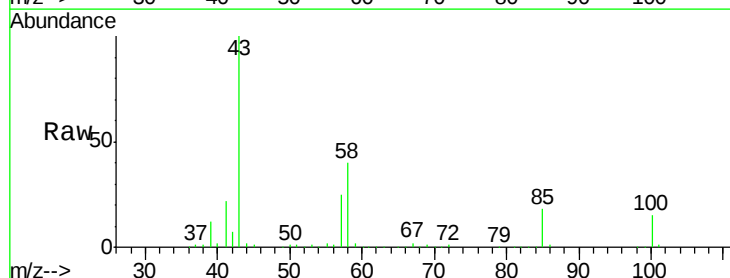
Manual Integrations
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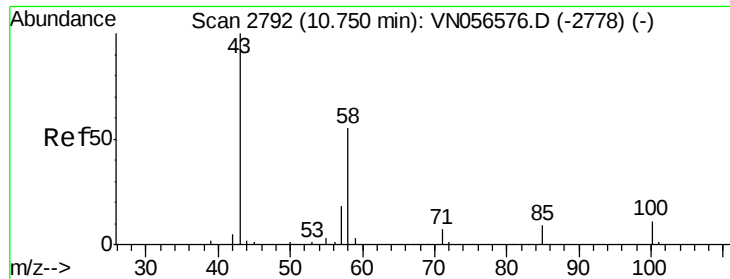
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 95.216 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	33.1	49.7
85	17.6	15.5	23.3





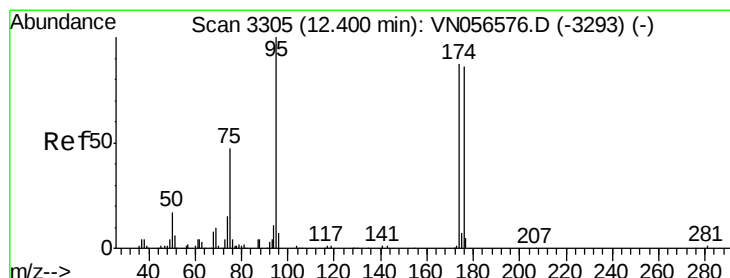
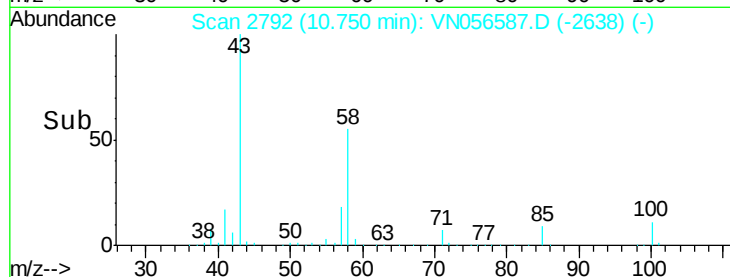
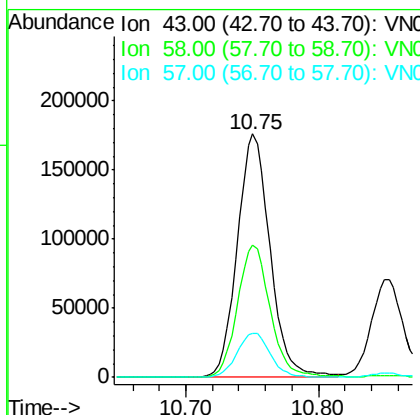
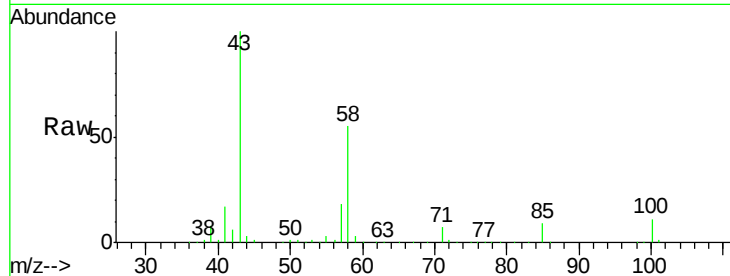
#59
2-Hexanone
Concen: 90.984 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	45.3	67.9
57	18.6	15.6	23.4

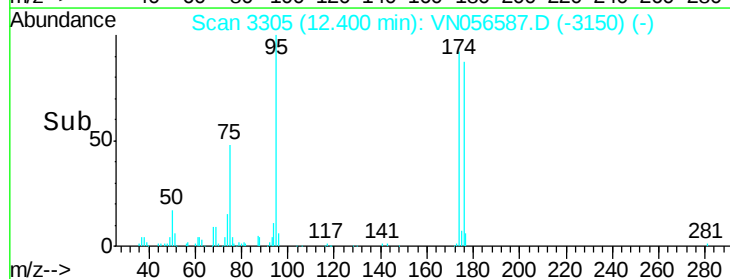
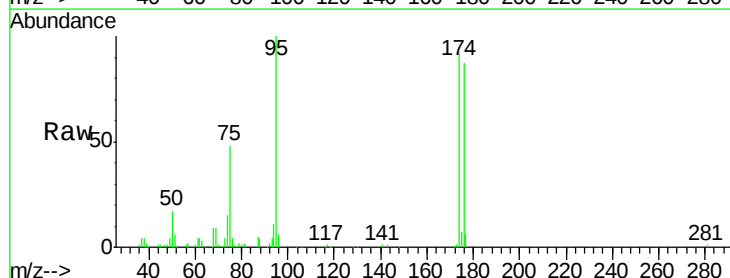
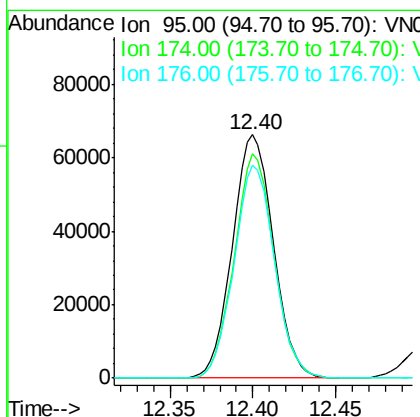
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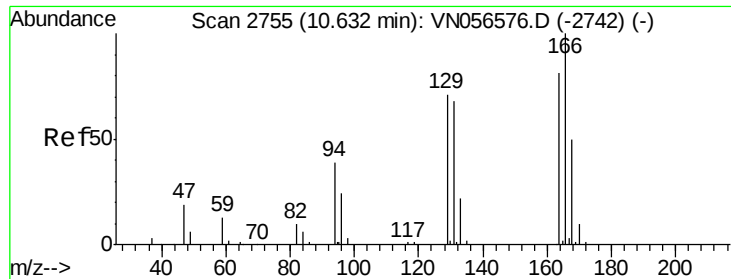
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#60
4-Bromofluorobenzene
Concen: 29.810 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	75.4	113.0
176	86.4	73.9	110.9





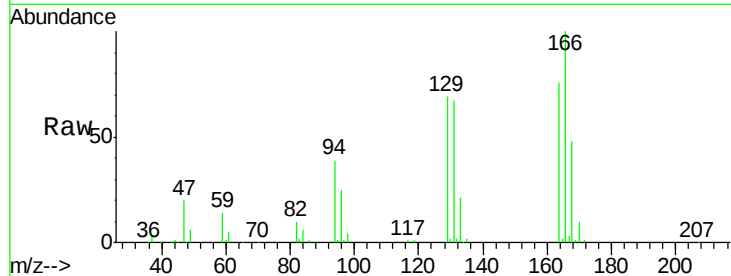
#61
Tetrachloroethene
Concen: 20.076 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.2	104.3	156.5
129	90.6	71.5	107.3
131	88.5	67.7	101.5

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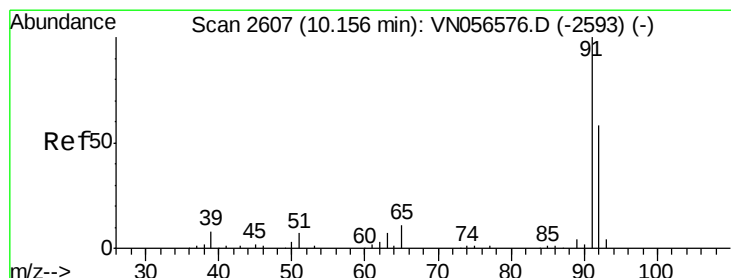
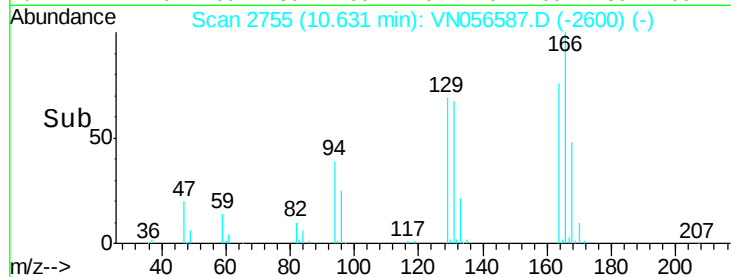
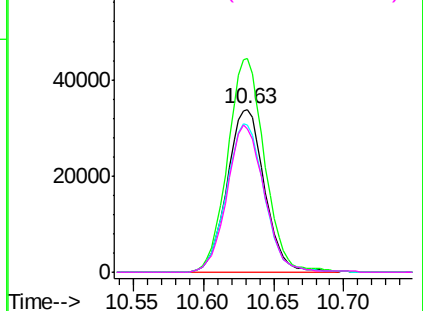


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

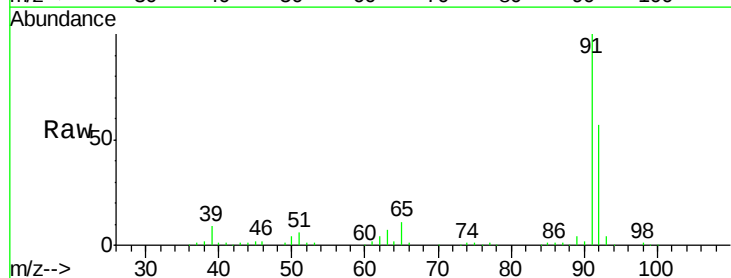
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



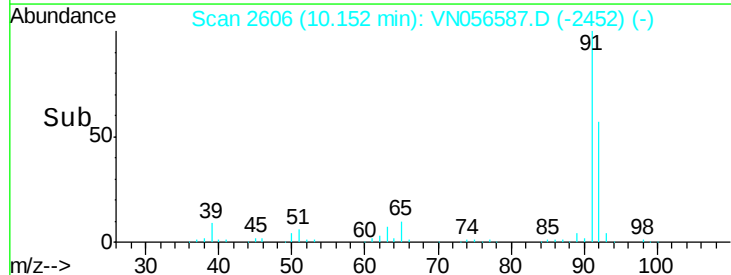
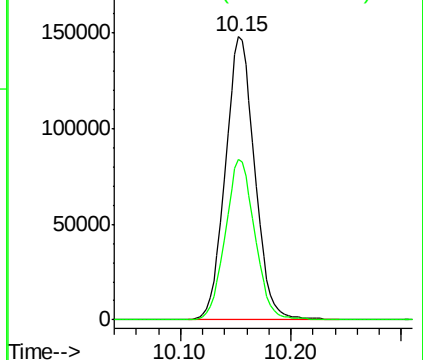
#62
Toluene
Concen: 19.664 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

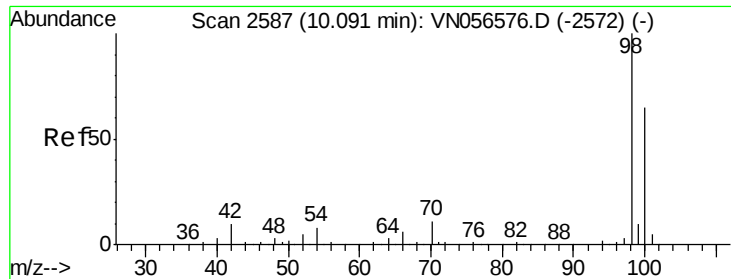
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.5	68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.477 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 352127

Ion Ratio Lower Upper

98 100

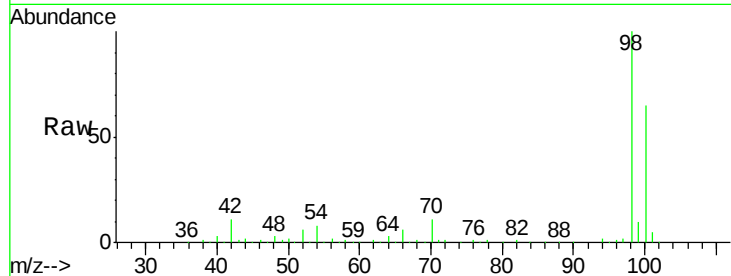
100 64.1 52.2 78.4

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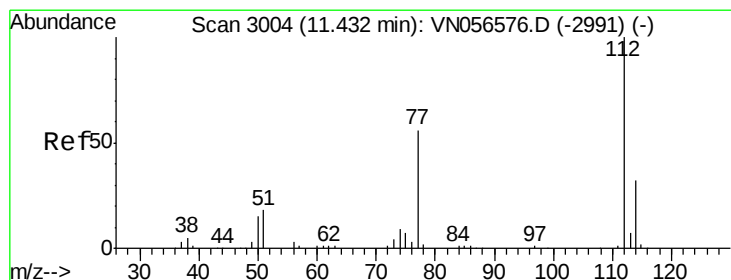
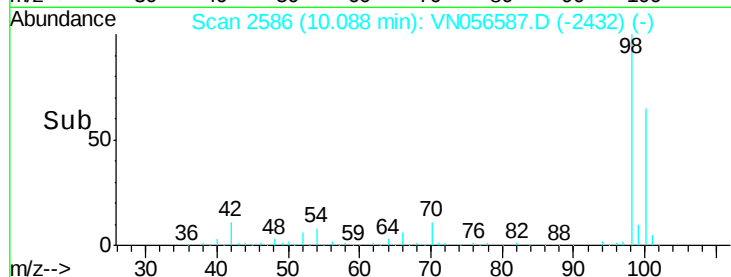
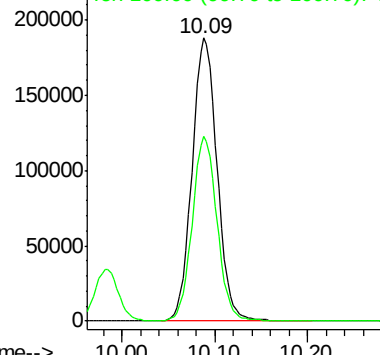
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 19.456 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056587.D

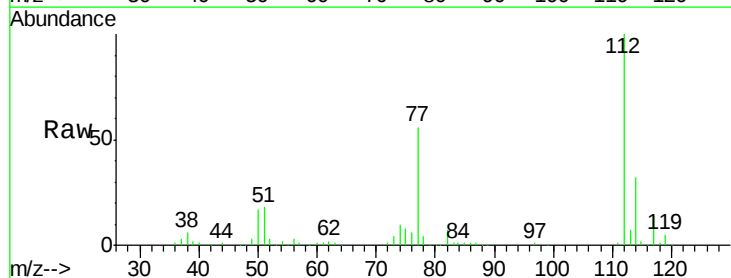
Acq: 3 Jul 2019 15:17

Tgt Ion: 112 Resp: 162656

Ion Ratio Lower Upper

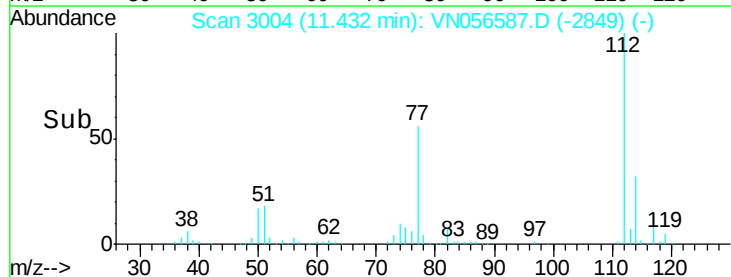
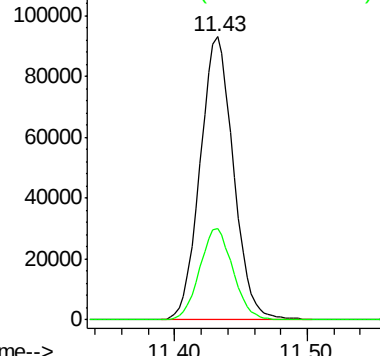
112 100

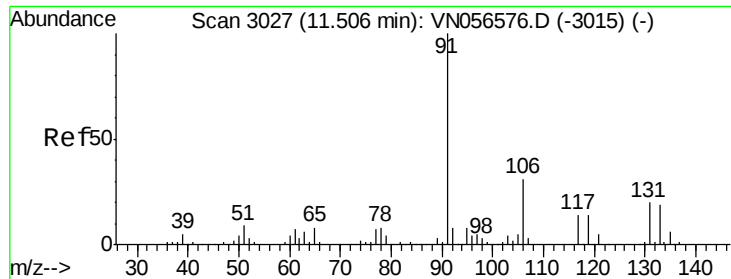
114 32.4 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 19.285 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

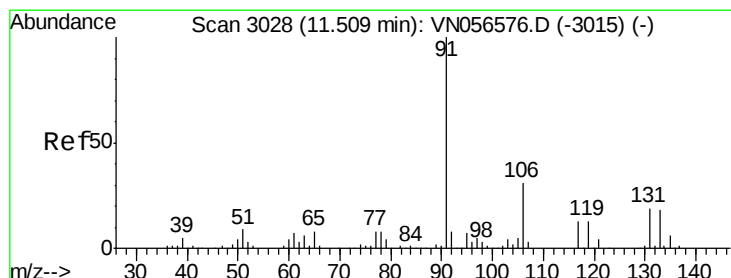
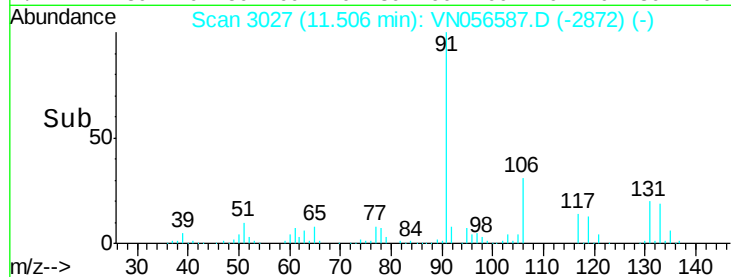
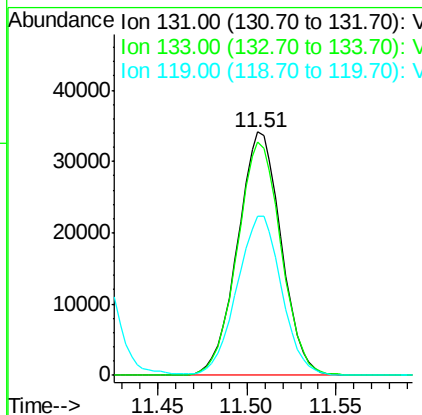
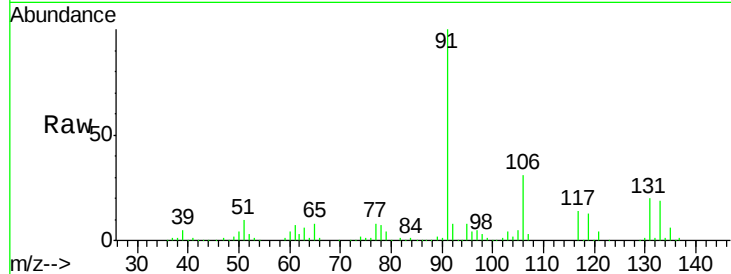
ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 58064
 Ion Ratio Lower Upper
 131 100
 133 96.5 0.0 193.8
 119 67.1 0.0 134.4

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#66

Ethyl Benzene

Concen: 19.265 ug/l

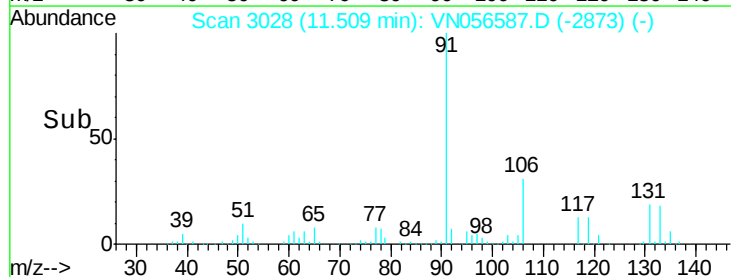
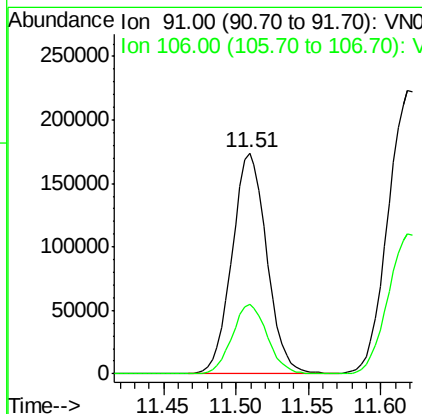
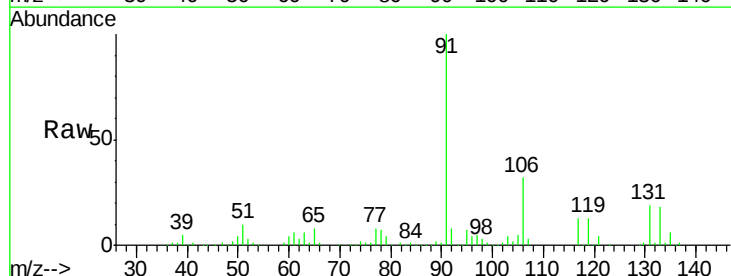
RT: 11.51 min Scan# 3028

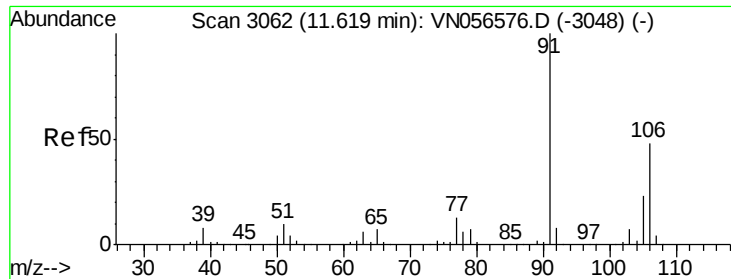
Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Tgt Ion: 91 Resp: 289856
 Ion Ratio Lower Upper
 91 100
 106 31.5 25.7 38.5





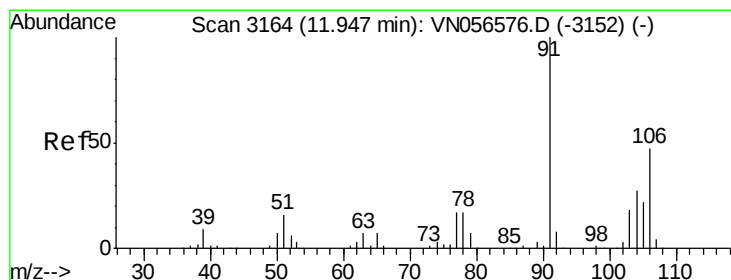
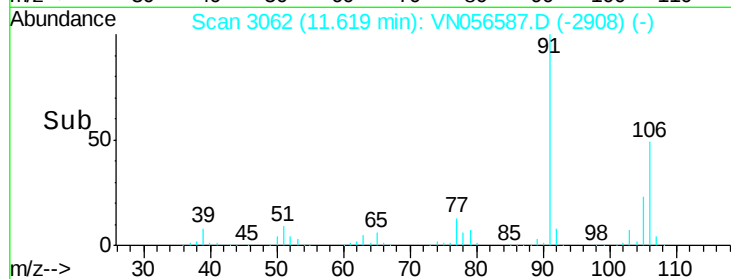
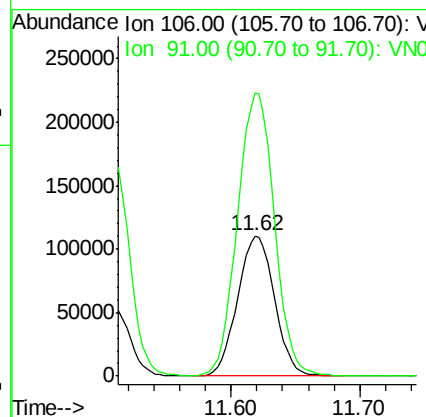
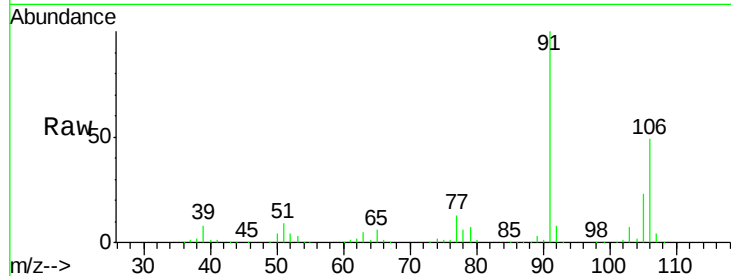
#67
m/p-Xvlenes
Concen: 39.584 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 219792
Ion Ratio Lower Upper
106 100
91 201.9 155.7 233.5

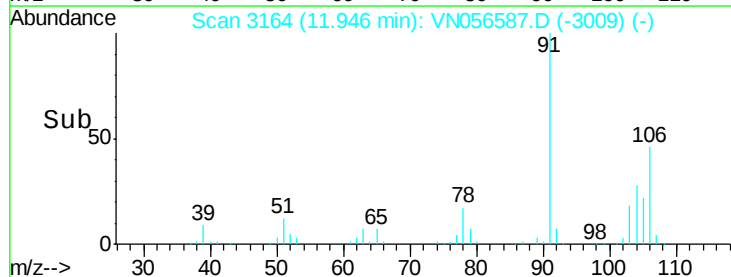
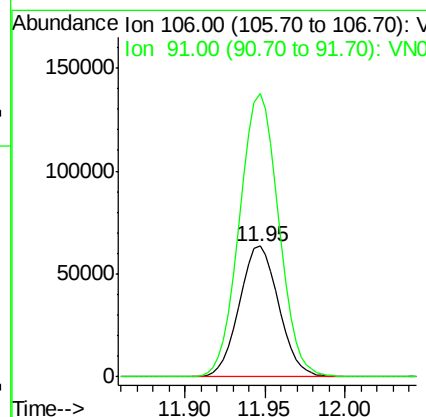
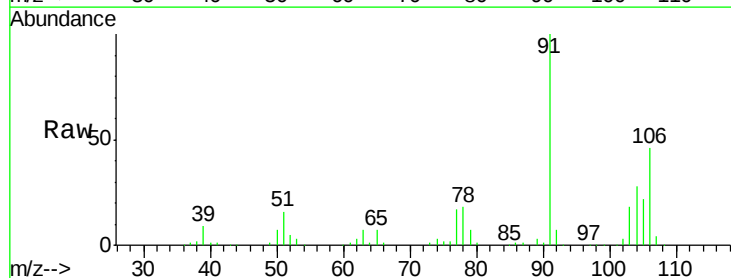
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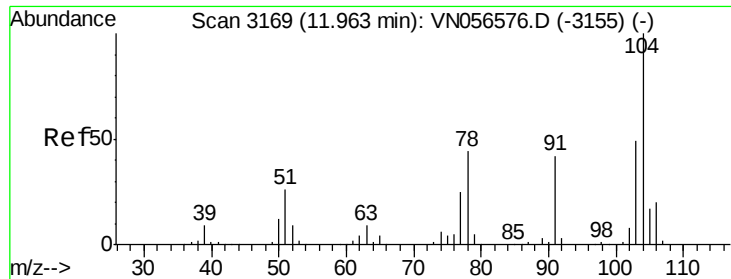
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#68
o-Xylene
Concen: 19.462 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion:106 Resp: 106869
Ion Ratio Lower Upper
106 100
91 215.3 103.9 311.7





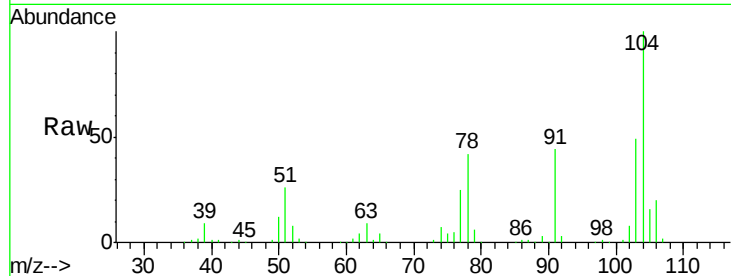
#69
Stvrene
Concen: 19.368 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

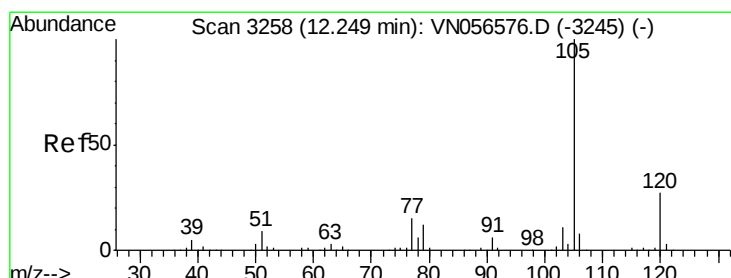
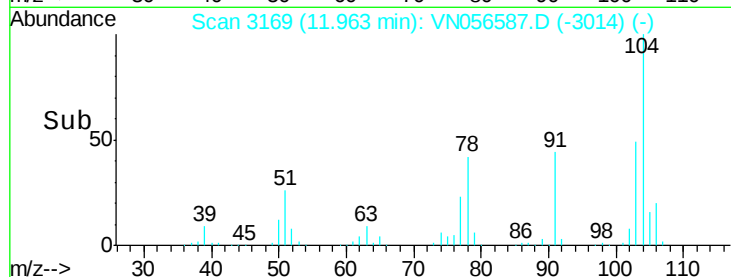
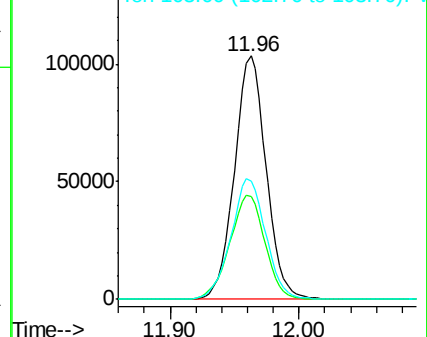
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.0	55.6
103	54.2	44.4	66.6

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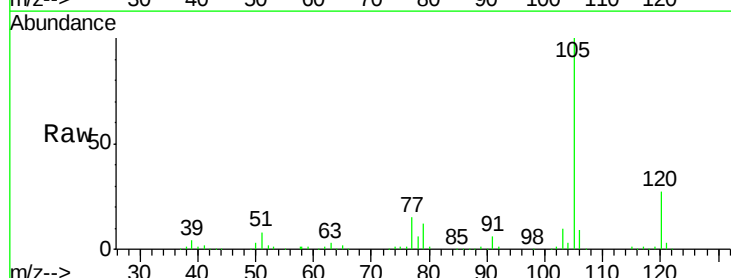


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

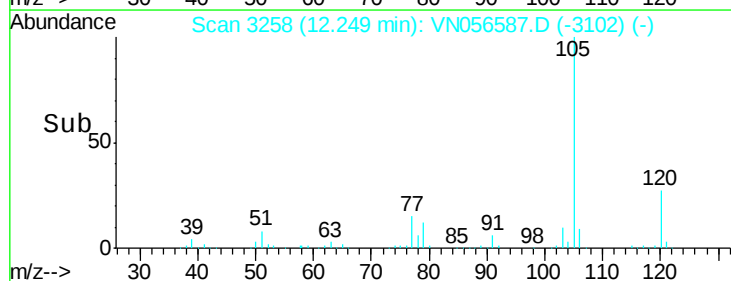
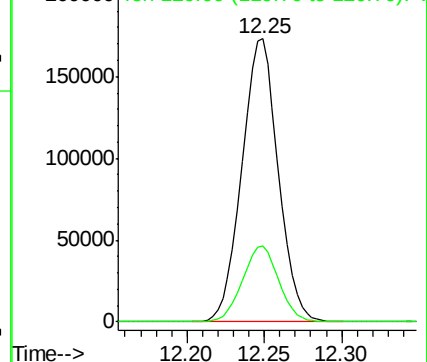


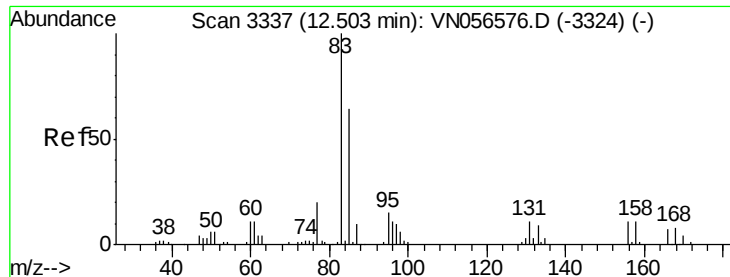
#70
Isopropylbenzene
Concen: 19.712 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.3	35.8



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





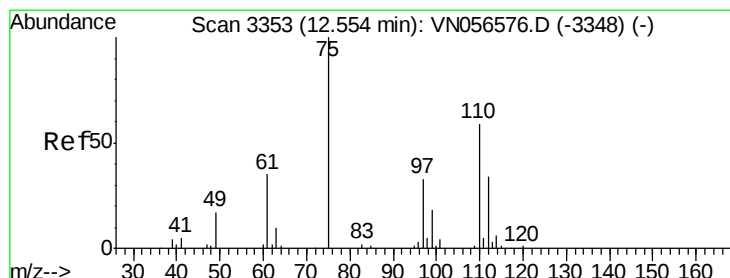
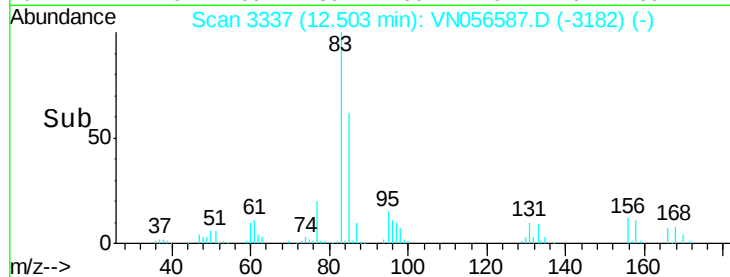
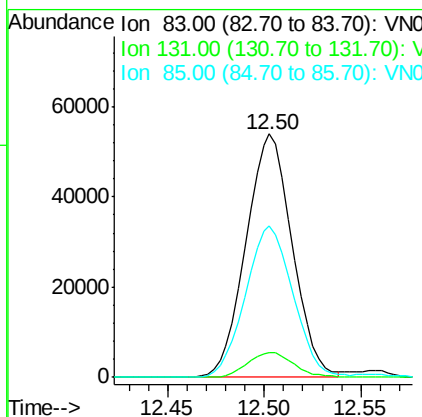
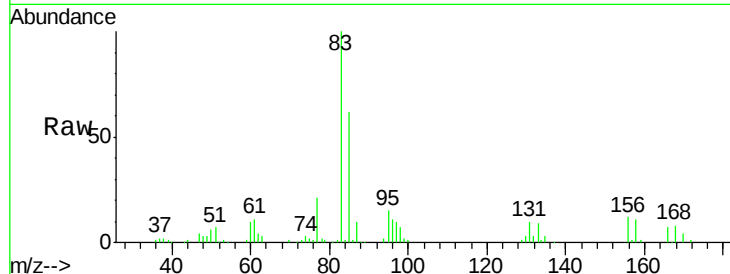
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.914 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	89591
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	63.8	31.6	94.7

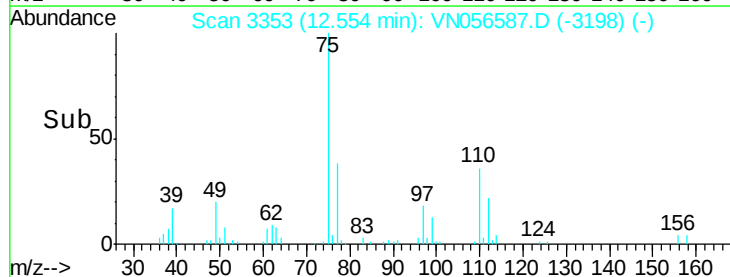
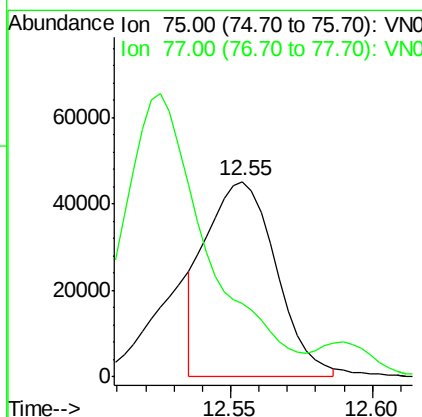
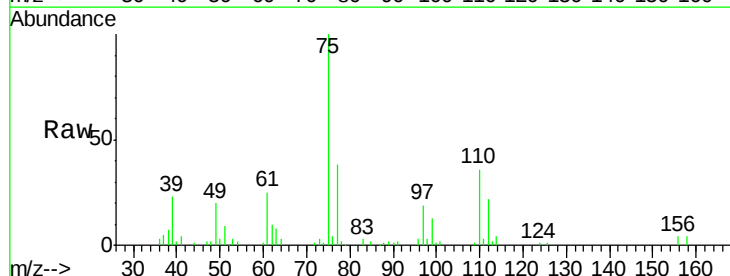
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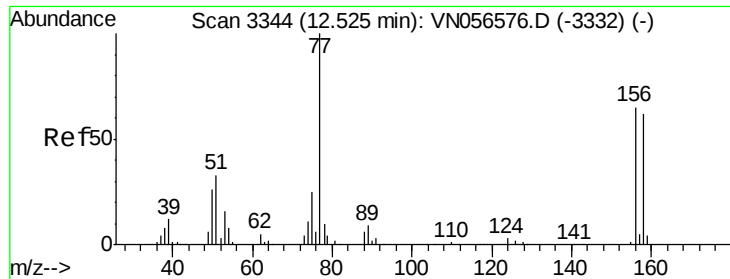
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#72
 1,2,3-Trichloropropane
 Concen: 19.515 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	75	Resp	77735
Ion Ratio	100	Lower	Upper
75	100		
77	175.9	0.0	350.0





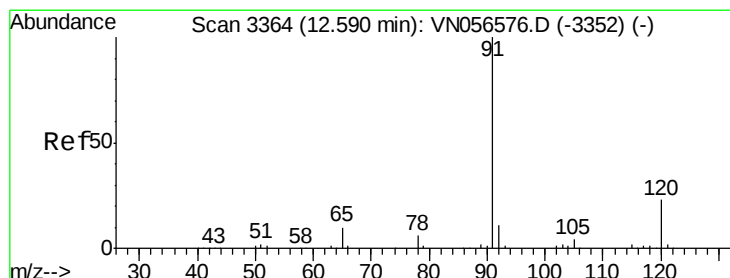
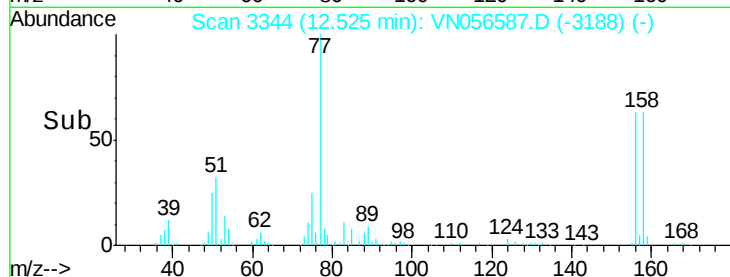
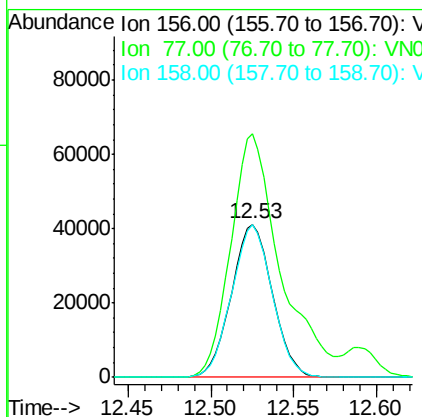
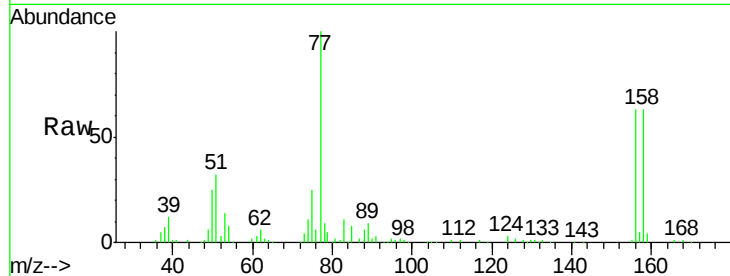
#73
Bromobenzene
Concen: 19.145 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	193.3	0.0	350.8	
158	98.8	0.0	193.2	

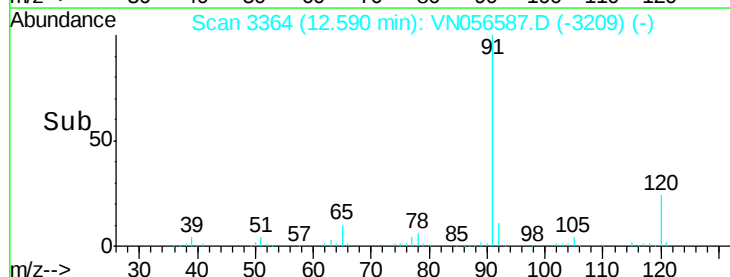
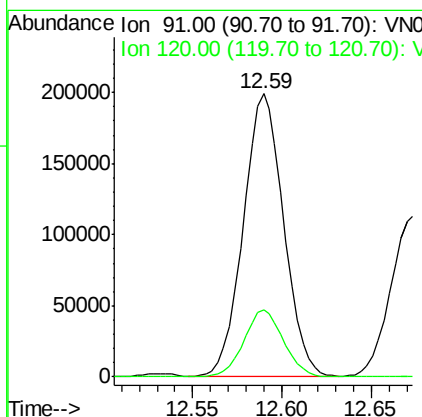
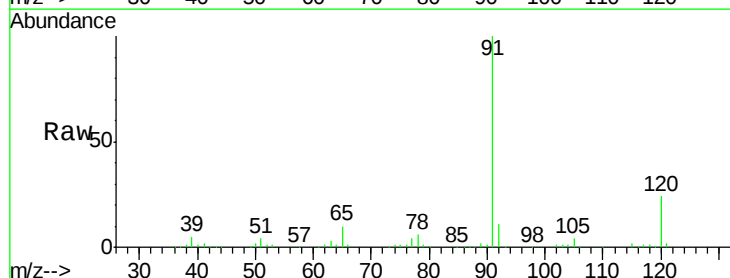
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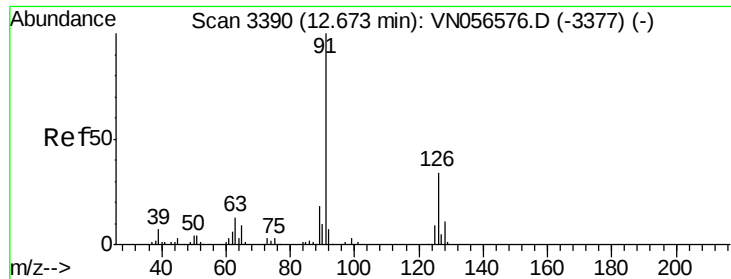
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#74
n-propylbenzene
Concen: 19.361 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	0.0	48.6	





#75

2-Chlorotoluene

Concen: 19.650 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056587.D

Acq: 3 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 190996

Ion Ratio Lower Upper

91 100

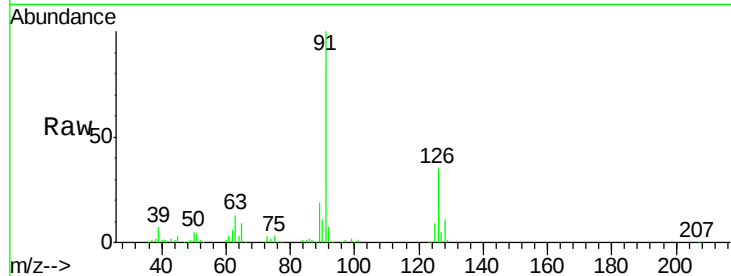
126 34.5 0.0 72.4

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Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)

200000

150000

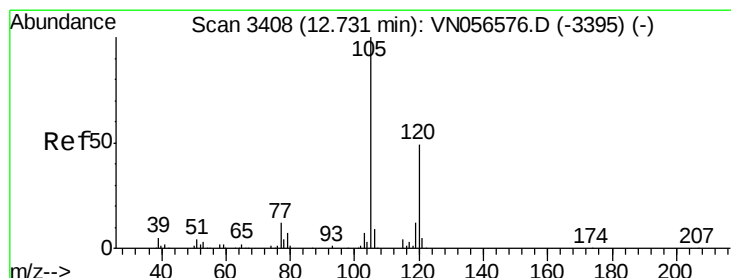
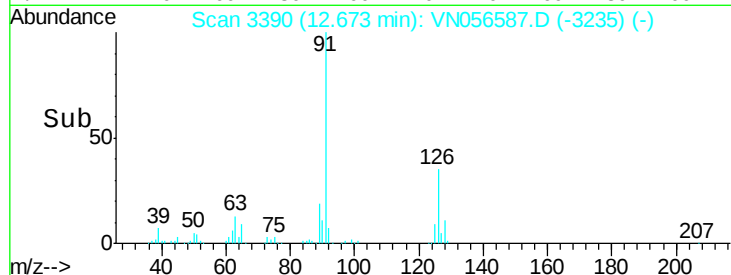
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.995 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056587.D

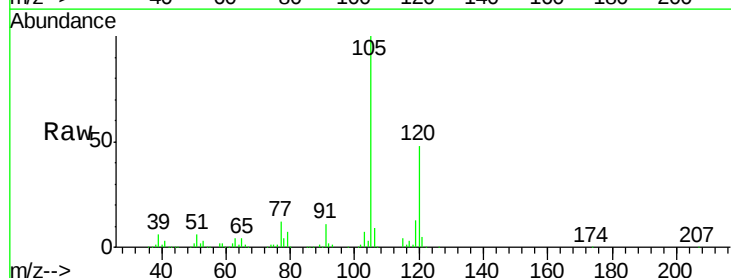
Acq: 3 Jul 2019 15:17

Tgt Ion: 105 Resp: 242582

Ion Ratio Lower Upper

105 100

120 47.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)

150000

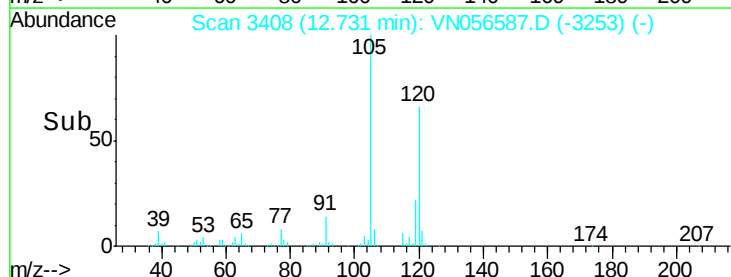
100000

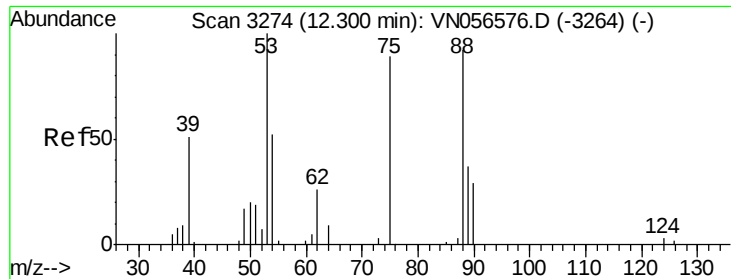
50000

0

12.65 12.70 12.75 12.80

Time-->





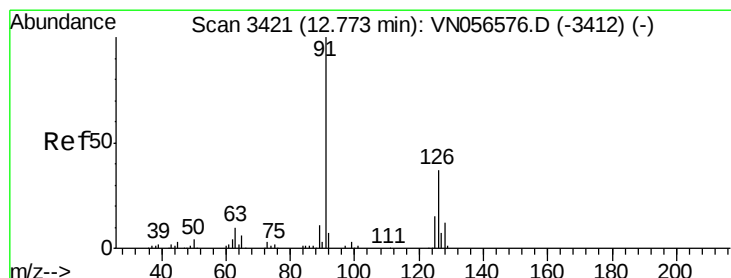
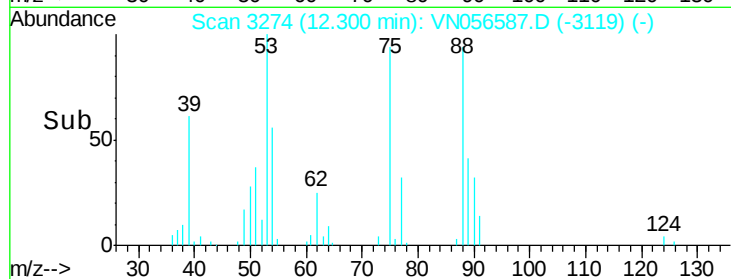
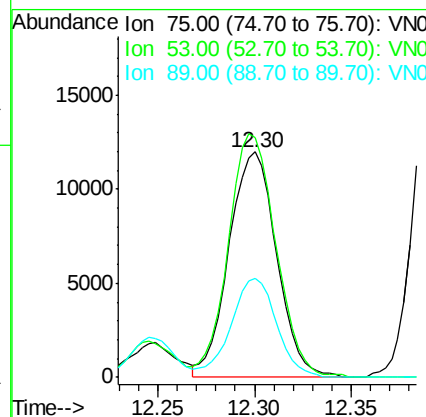
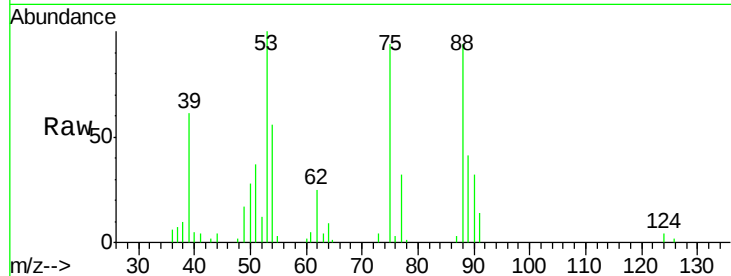
#77
t-1,4-Dichloro-2-butene
Concen: 16.145 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.6	48.0	144.0
89	43.9	22.5	67.5

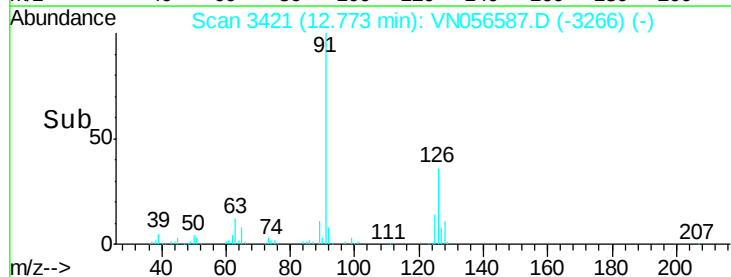
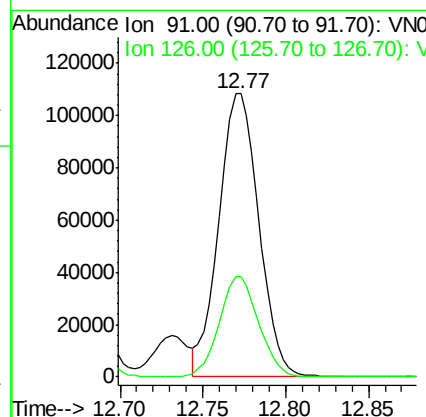
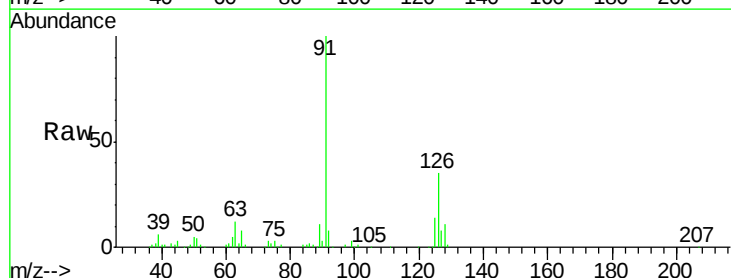
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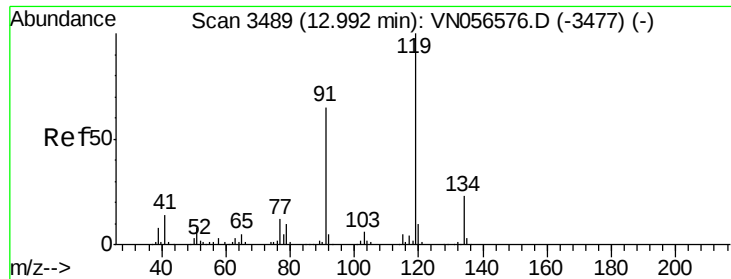
MMDadoda
7/8/2019 10:05:29 AM



#78
4-Chlorotoluene
Concen: 19.204 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	0.0	71.8





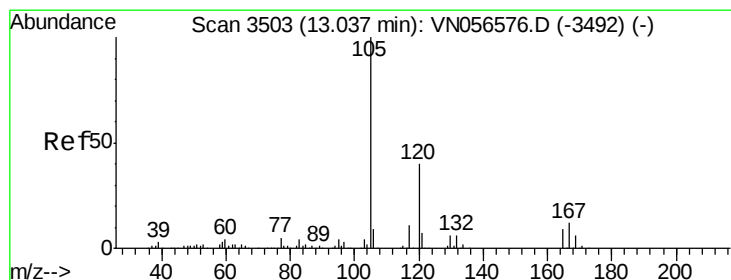
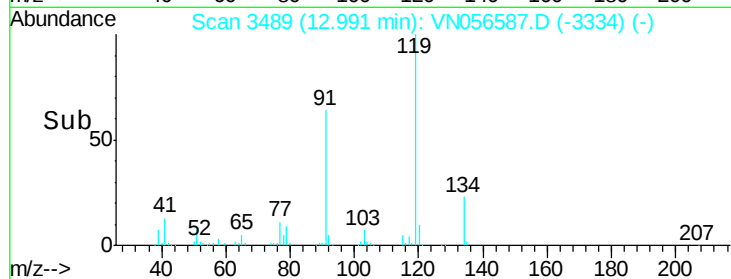
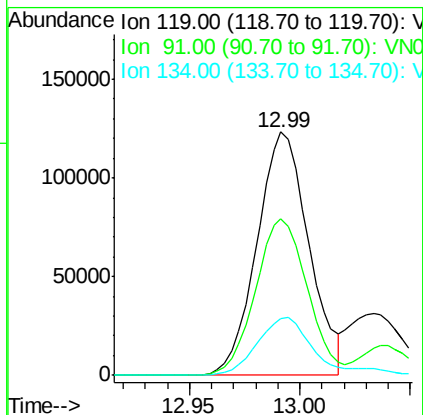
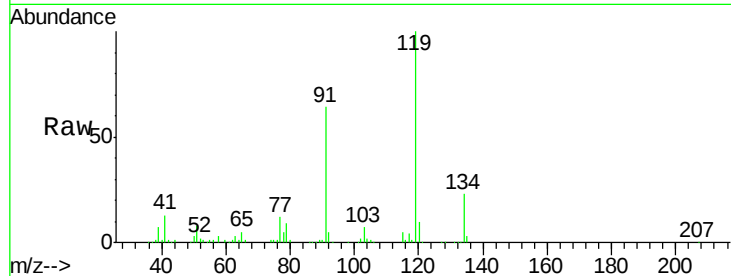
#79
tert-butylbenzene
Concen: 19.402 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201113		
91	64.4	0.0	122.8	
134	26.5	0.0	50.2	

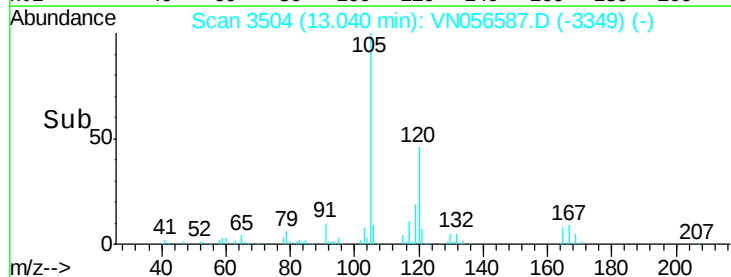
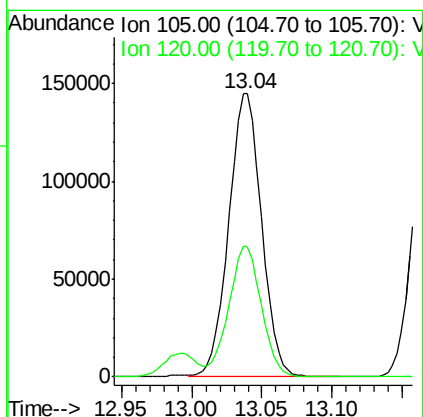
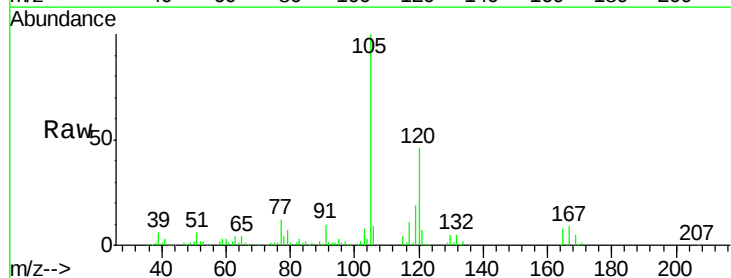
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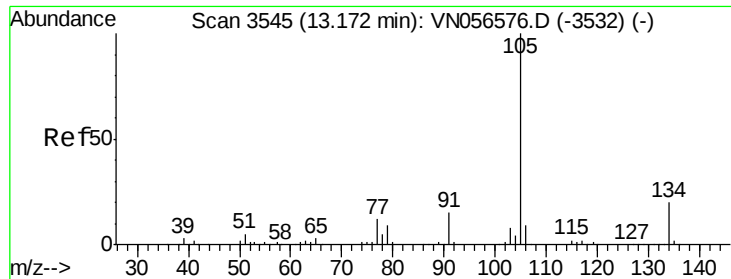
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#80
1,2,4-Trimethylbenzene
Concen: 19.647 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235423		
120	45.5	0.0	93.4	





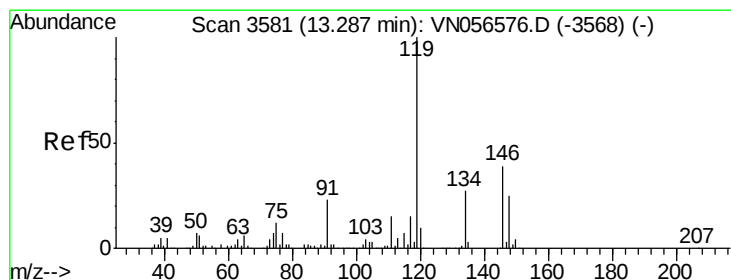
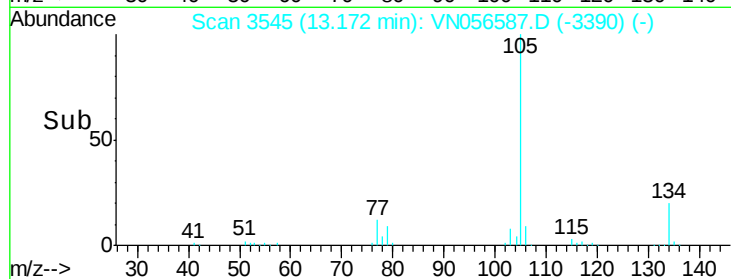
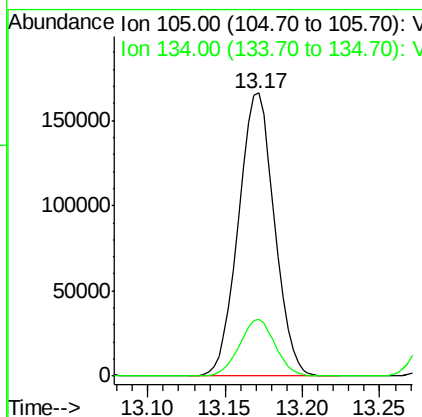
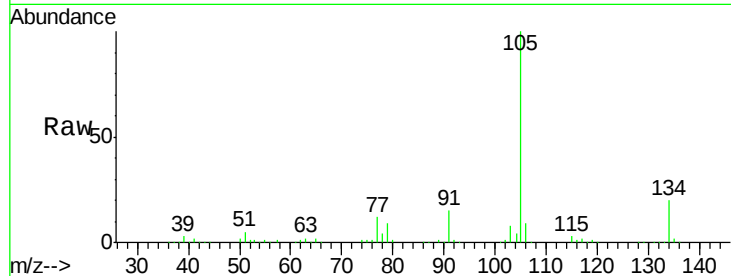
#81
 sec-Butylbenzene
 Concen: 19.571 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	41.8

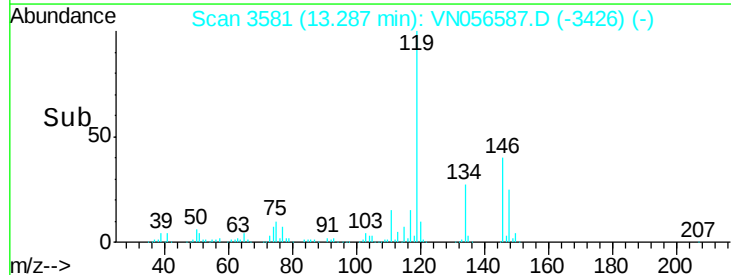
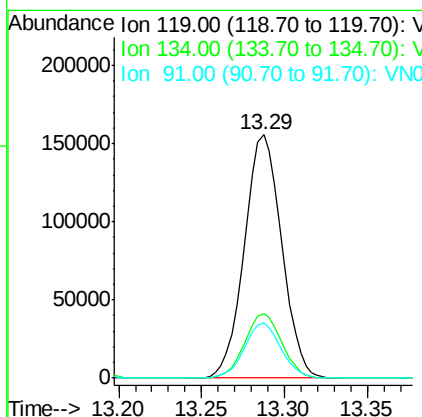
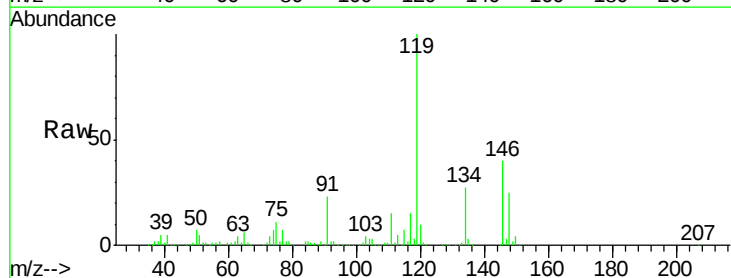
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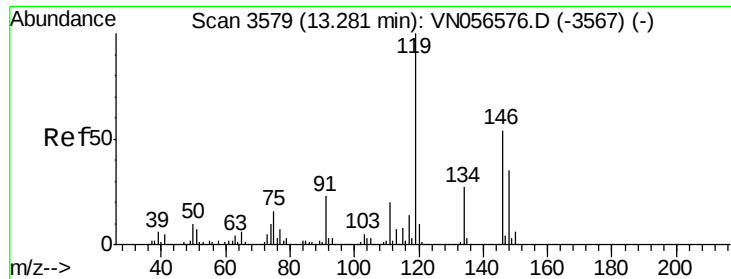
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#82
 p-Isopropyltoluene
 Concen: 19.626 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	53.4
91	22.2	0.0	43.0





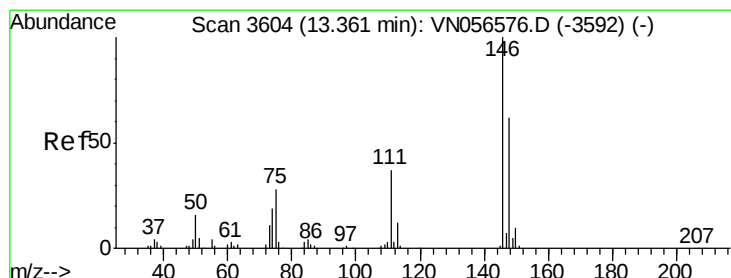
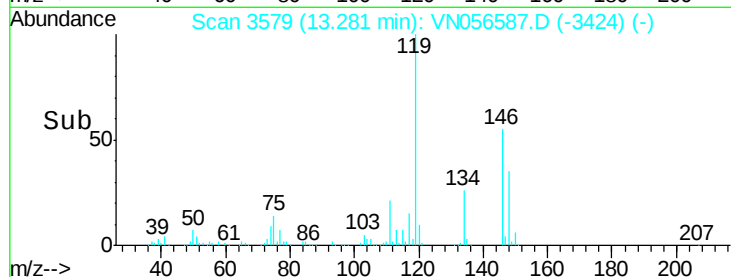
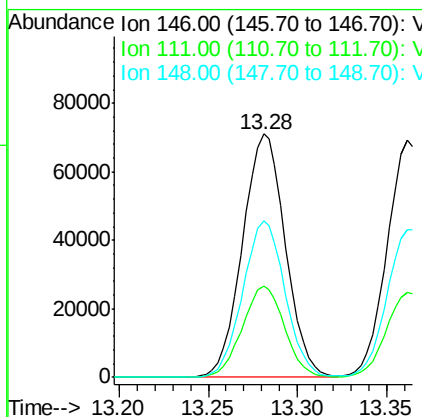
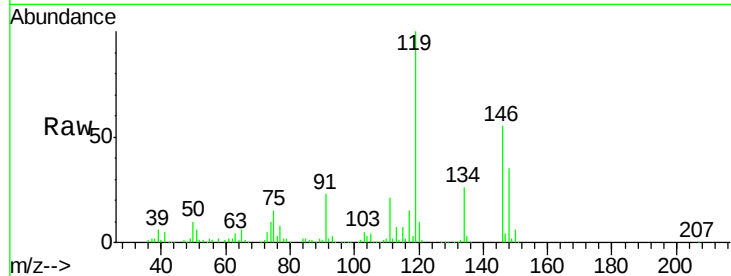
#83
 1,3-Dichlorobenzene
 Concen: 19.477 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.2	54.6
148	63.4	31.9	95.9

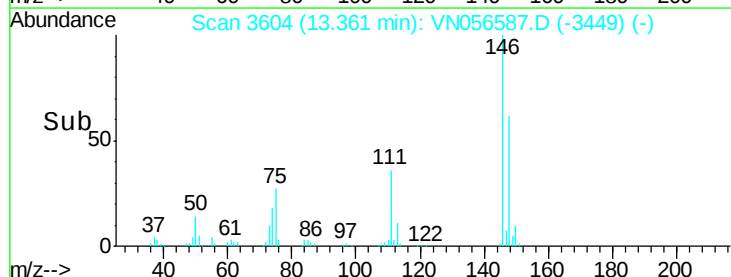
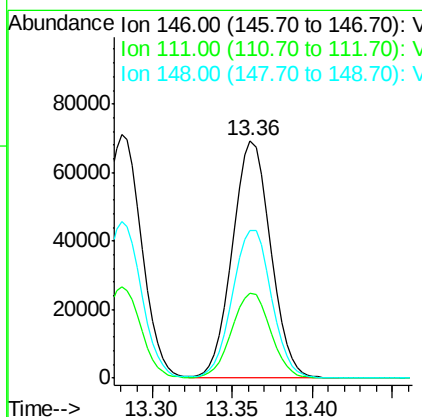
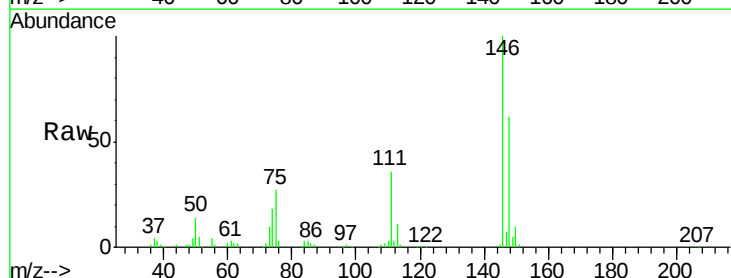
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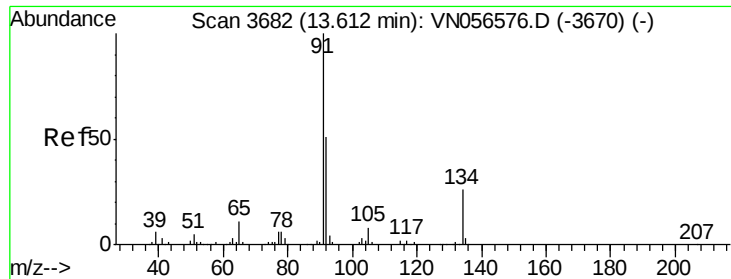
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 7/8/2019 10:05:29 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.139 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.6	52.9
148	63.6	32.1	96.3





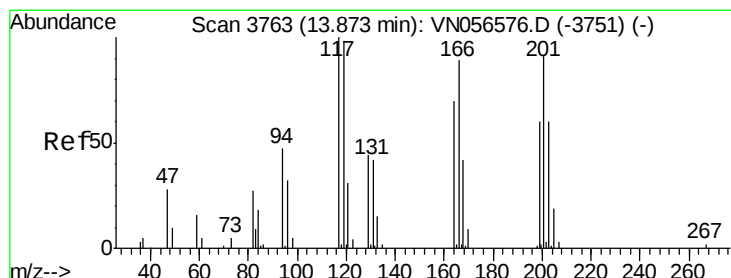
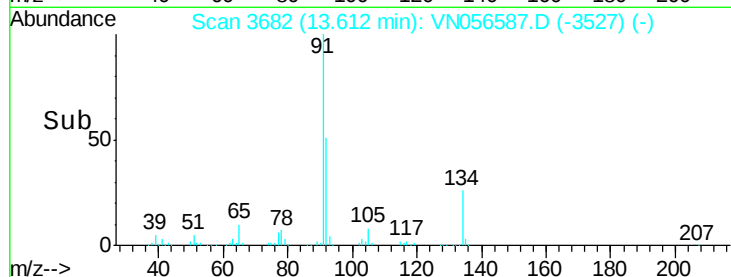
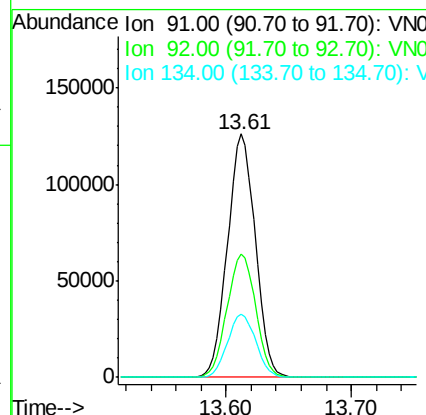
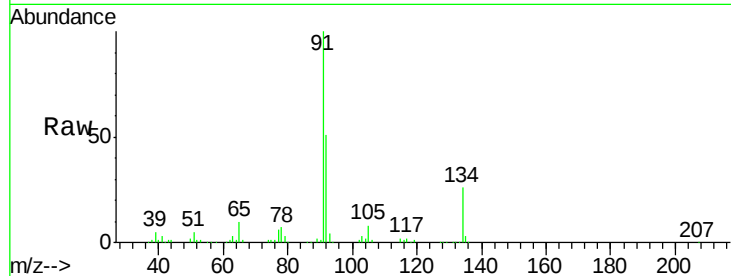
#85
n-Butylbenzene
Concen: 18.710 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	107.2
134	26.3	0.0	55.8

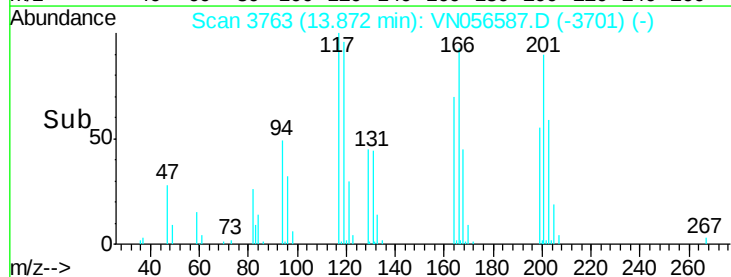
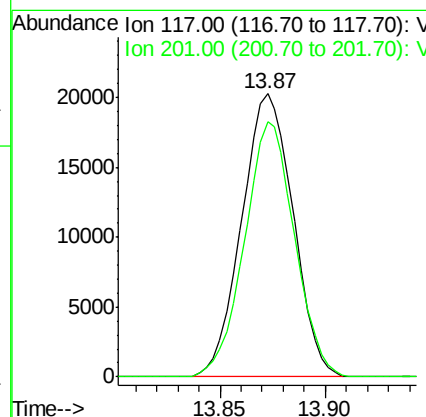
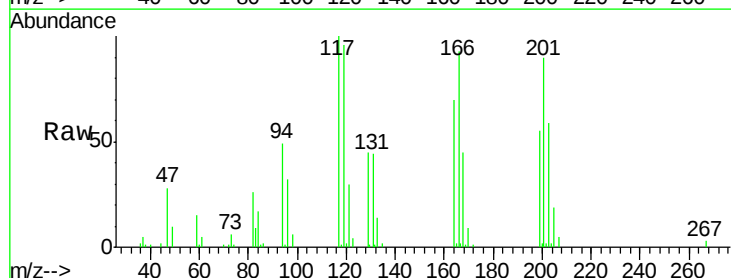
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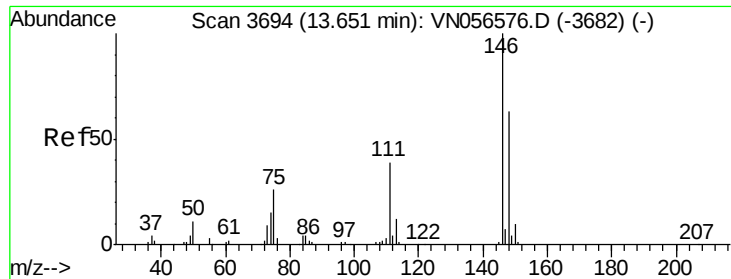
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#86
Hexachloroethane
Concen: 18.406 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	48.1	144.4





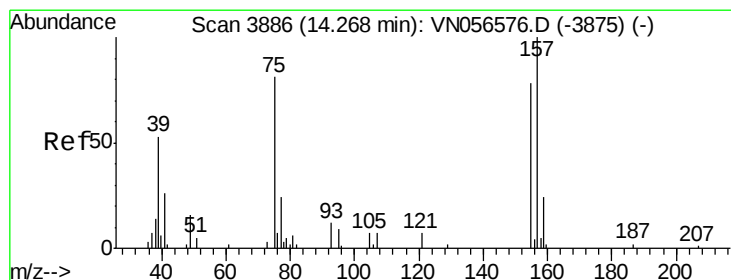
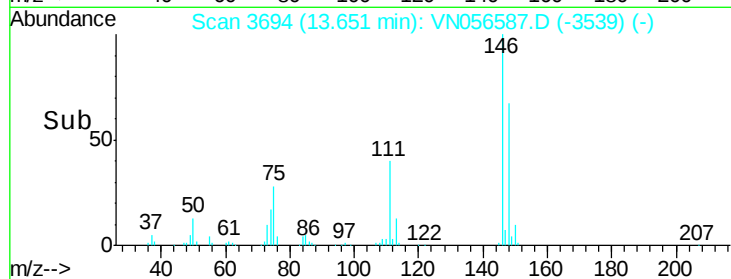
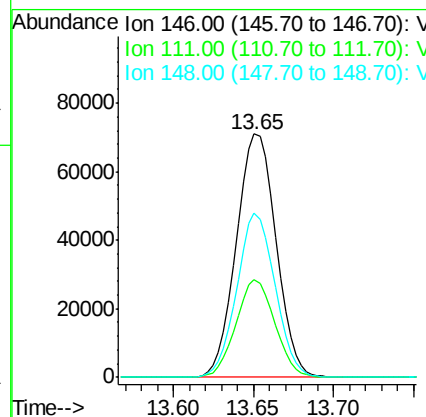
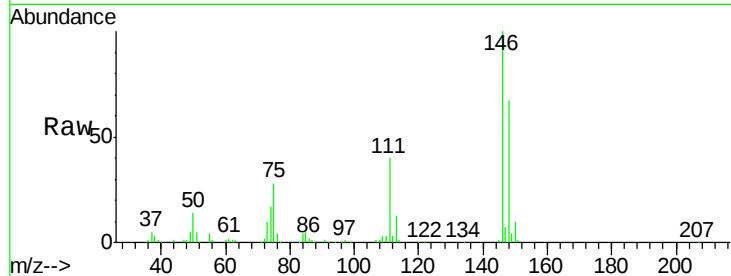
#87
 1,2-Dichlorobenzene
 Concen: 19.302 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	64.7	32.6	97.8

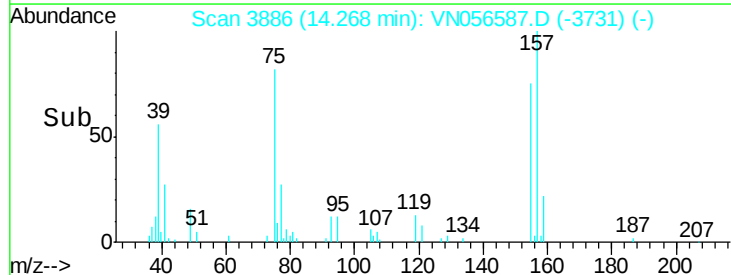
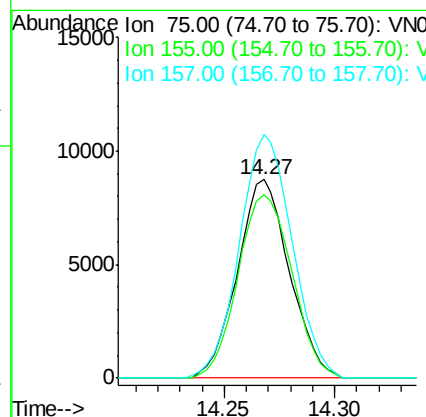
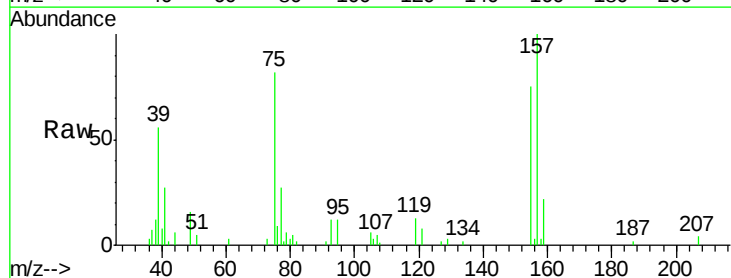
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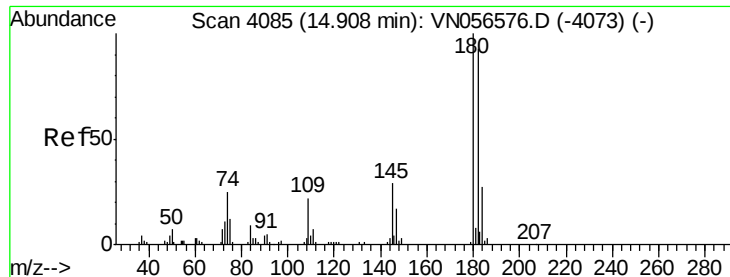
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 7/8/2019 10:05:29 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.913 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	82.5	123.7
157	124.1	105.1	157.7





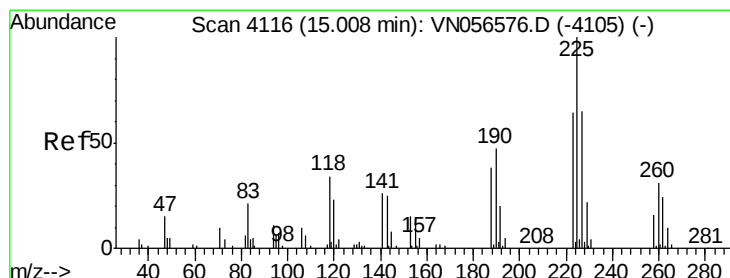
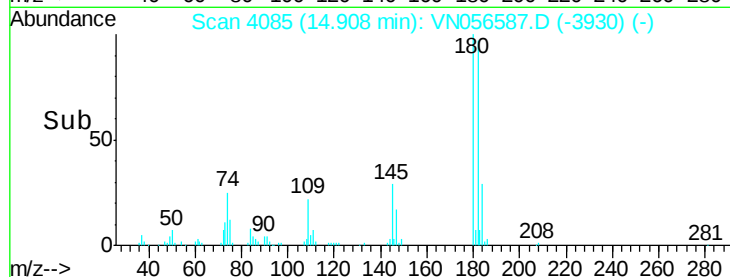
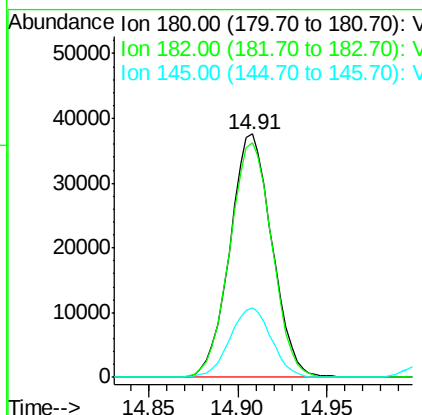
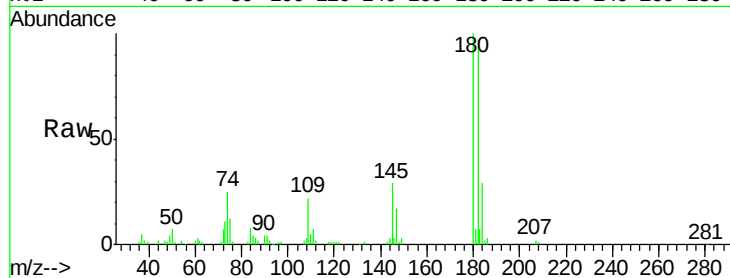
#89
 1,2,4-Trichlorobenzene
 Concen: 17.889 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.0	112.6
145	28.0	22.1	33.1

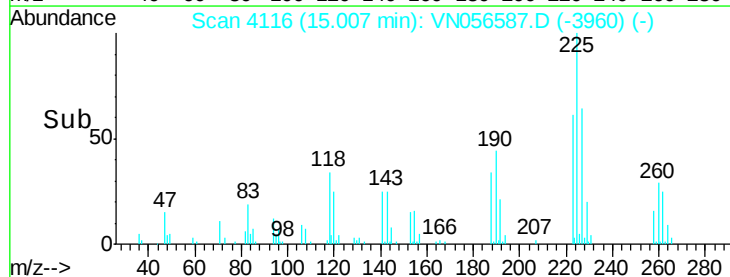
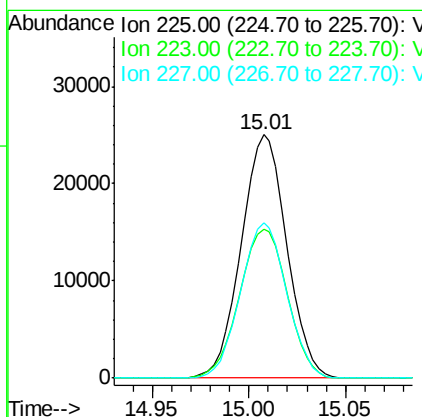
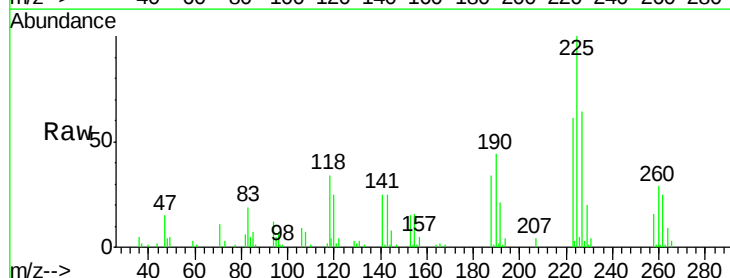
Manual Integrations
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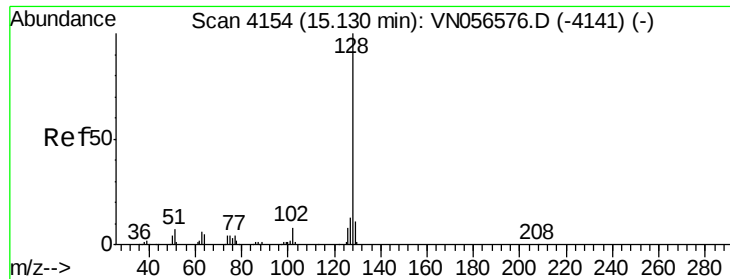
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 7/8/2019 10:05:29 AM



#90
 Hexachlorobutadiene
 Concen: 19.169 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056587.D
 Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	0.0	125.6
227	64.5	0.0	128.6





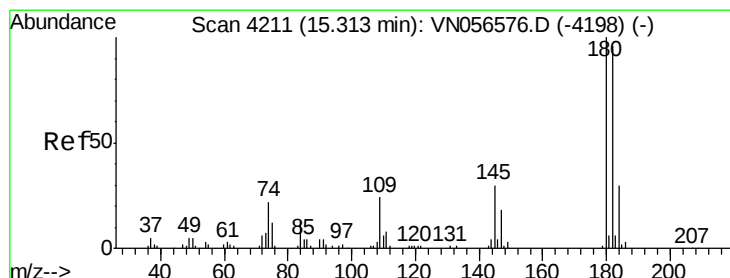
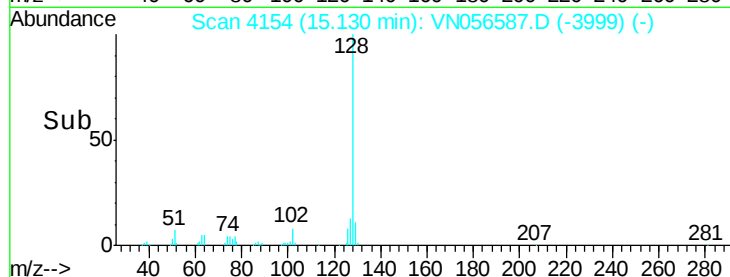
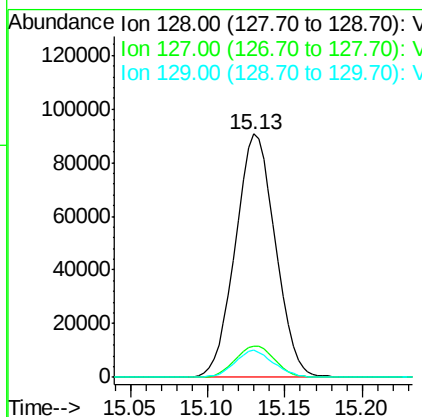
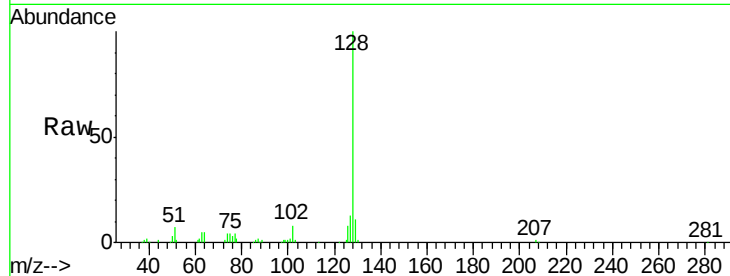
#91
Naphthalene
Concen: 16.864 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 17.911 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056587.D
Acq: 3 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	0.0	193.4
145	32.0	0.0	59.8

