

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
 Data File : VN057694.D
 Acq On : 5 Sep 2019 10:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 8:26:08 AM

Quant Time: Sep 06 01:33:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	60477	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	368659	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	313840	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	194207	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	12.40	95	157662	29.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.00%
63) Toluene-d8	10.09	98	470239	31.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	91571	21.017	ug/l 96
3) Chloromethane	2.05	50	94710	20.612	ug/l 98
4) Vinyl Chloride	2.18	62	74188	19.744	ug/l 91
5) Bromomethane	2.54	94	51330	21.368	ug/l 98
6) Chloroethane	2.69	64	55307	20.157	ug/l 90
7) Trichlorofluoromethane	3.01	101	147590	20.509	ug/l 92
8) Diethyl Ether	3.40	74	49166	20.771	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	80672	21.571	ug/l 97
10) 1,1-Dichloroethene	3.73	96	68943	20.207	ug/l 94
11) Methyl Iodide	3.94	142	94516	20.005	ug/l 96
12) Methyl Acetate	4.30	43	100742	19.777	ug/l 98
13) Acrolein	3.59	56	23845	82.498	ug/l 95
14) Acrylonitrile	4.96	53	183197	98.814	ug/l 98
15) Acetone	3.79	58	57346	110.273	ug/l 99
16) Carbon Disulfide	4.04	76	165805	19.345	ug/l 100
17) Allyl chloride	4.31	41	141522	19.421	ug/l 92
18) Methylene Chloride	4.54	84	84421	19.746	ug/l 92
19) trans-1,2-Dichloroethene	5.02	96	72495	20.087	ug/l 97
20) Diisopropyl ether	5.93	45	320963	20.441	ug/l 98
21) 1,1-Dichloroethane	5.83	63	164413	20.314	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	91367	20.727	ug/l 98
23) tert-Butyl Alcohol	4.75	59	64317m	95.408	ug/l
24) Methyl tert-Butyl Ether	5.02	73	276644	20.406	ug/l 99
25) Chloroform	7.36	83	171322	20.421	ug/l 97
26) Cyclohexane	7.64	56	138916	20.157	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	116621	19.810	ug/l 98
30) 2-Butanone	6.81	43	285865	102.794	ug/l # 98
31) 2,2-Dichloropropane	6.81	77	149022	20.453	ug/l # 75
32) 1,1,1-Trichloroethane	7.56	97	145939	20.024	ug/l 98
33) Carbon Tetrachloride	7.76	117	114819	19.400	ug/l 96
34) Benzene	8.03	78	340186	20.117	ug/l 98
35) Methacrylonitrile	7.16	41	49700m	19.509	ug/l
36) 1,2-Dichloroethane	8.11	62	150028	19.908	ug/l # 100
37) Trichloroethene	8.83	130	79483	19.795	ug/l 97
38) Methylcyclohexane	9.07	83	133704	20.467	ug/l 98
39) 1,2-Dichloropropane	9.11	63	93655	20.253	ug/l 97
40) Dibromomethane	9.20	93	60274	20.108	ug/l 97

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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	127158	19.626	ug/l #	98
42) Vinyl Acetate	5.87	43	1277901	104.548	ug/l	99
43) Ethyl Acetate	6.91	43	116707	20.380	ug/l #	86
44) Isopropyl Acetate	8.15	43	202363	18.902	ug/l	98
45) 1,4-Dioxane	9.19	88	26356	383.494	ug/l	92
46) Methyl methacrylate	9.19	41	104529	20.122	ug/l	99
47) n-amyl Acetate	12.07	43	146124	17.599	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	131183	19.303	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	141065	19.455	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	81444	20.146	ug/l	98
51) Ethyl methacrylate	10.43	69	124679	18.918	ug/l	98
52) 1,3-Dichloropropane	10.70	76	143103	19.887	ug/l	99
53) Dibromochloromethane	10.90	129	77920	18.467	ug/l	98
54) 1,2-Dibromoethane	11.00	107	79432	19.655	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	157194	75.491	ug/l	99
56) Bromoform	12.13	173	45581	17.421	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	586168	105.685	ug/l	99
59) 2-Hexanone	10.75	43	398109	101.434	ug/l	100
61) Tetrachloroethene	10.63	164	76218	21.150	ug/l	95
62) Toluene	10.15	91	367873	20.877	ug/l	100
64) Chlorobenzene	11.43	112	206603	19.968	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	77665	20.489	ug/l	99
66) Ethyl Benzene	11.51	91	415777	21.109	ug/l	99
67) m/p-Xylenes	11.62	106	281935	40.813	ug/l	98
68) o-Xylene	11.95	106	138441	20.127	ug/l	97
69) Styrene	11.96	104	210325	19.077	ug/l	99
70) Isopropylbenzene	12.25	105	391263	20.738	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	101063	20.359	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	91042m	19.501	ug/l	
73) Bromobenzene	12.53	156	78313	19.587	ug/l	94
74) n-propylbenzene	12.59	91	418786	20.052	ug/l	100
75) 2-Chlorotoluene	12.68	91	261298	19.984	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	321480	20.525	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	25213	17.692	ug/l	99
78) 4-Chlorotoluene	12.77	91	228936	18.429	ug/l	100
79) tert-butylbenzene	12.99	119	265448	19.733	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	298155	20.260	ug/l	99
81) sec-Butylbenzene	13.17	105	345256	19.917	ug/l	99
82) p-Isopropyltoluene	13.29	119	289434	19.658	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	107207	17.905	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	98425	17.412	ug/l	98
85) n-Butylbenzene	13.62	91	257514	19.898	ug/l	99
86) Hexachloroethane	13.88	117	51623	19.376	ug/l	95
87) 1,2-Dichlorobenzene	13.66	146	98591	17.847	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11485	15.782	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	20299	10.605	ug/l	97
90) Hexachlorobutadiene	15.01	225	44828	21.115	ug/l	95
91) Naphthalene	15.13	128	51056	10.270	ug/l	97
92) 1,2,3-Trichlorobenzene	15.30	180	19900	10.700	ug/l	94

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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

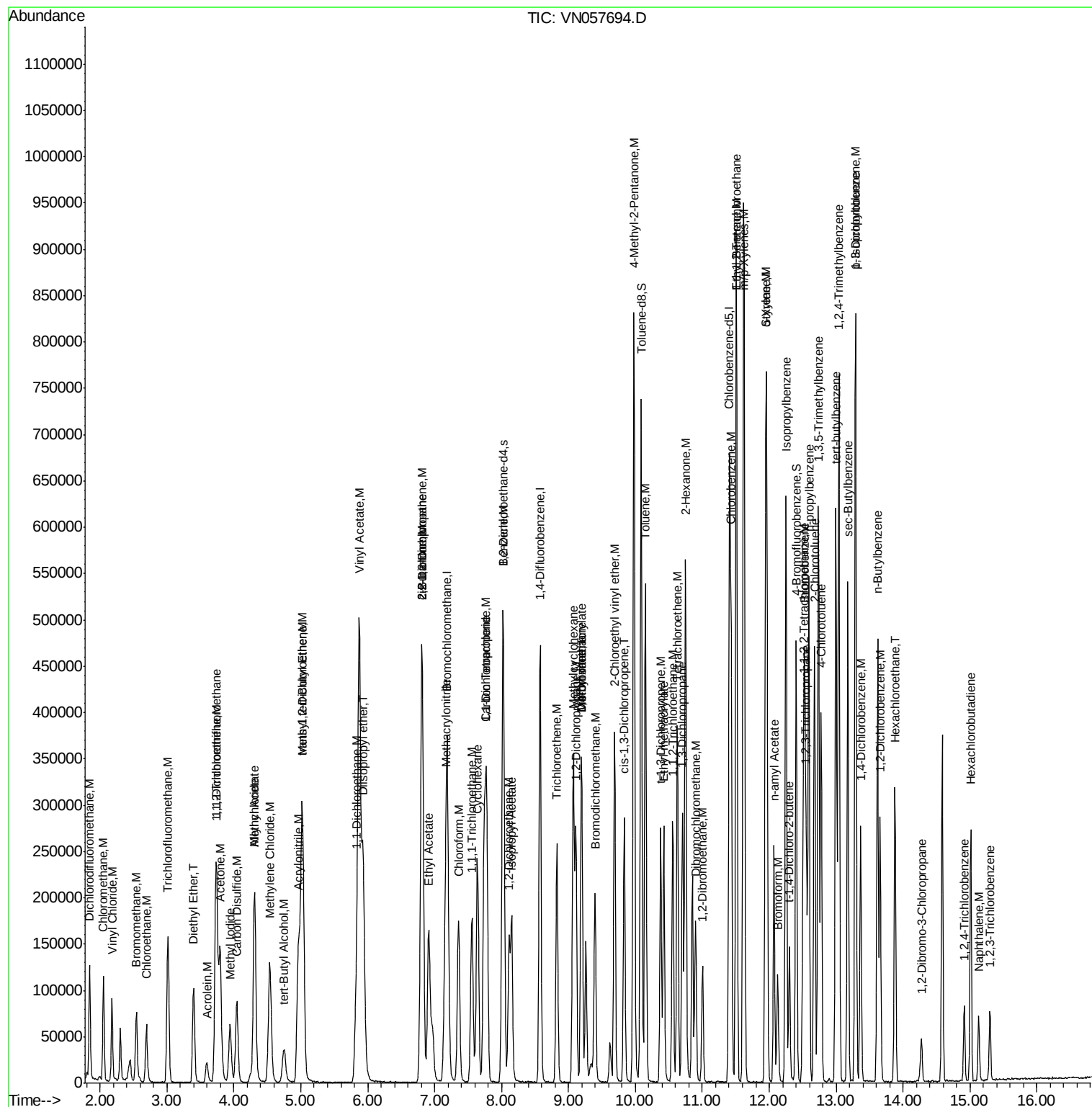
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 Data File : VN057694.D
 Acq On : 5 Sep 2019 10:22
 Operator : JC/SP
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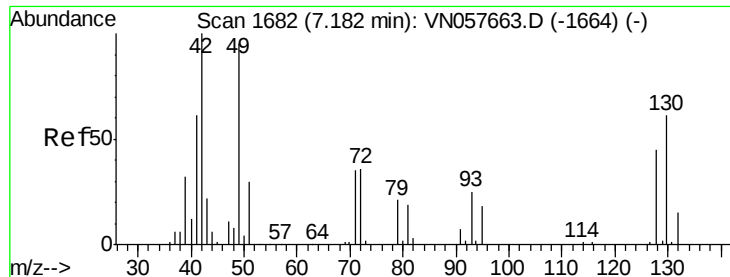
Instrument :
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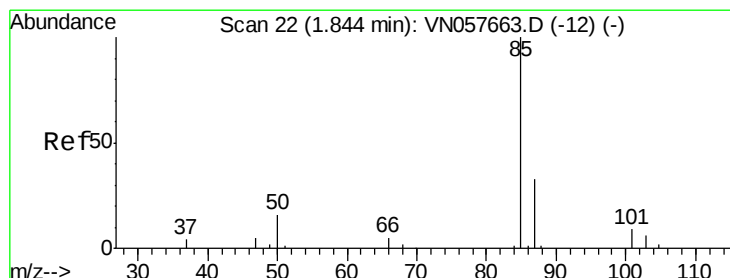
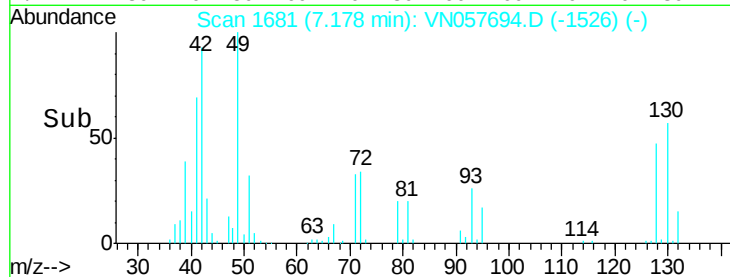
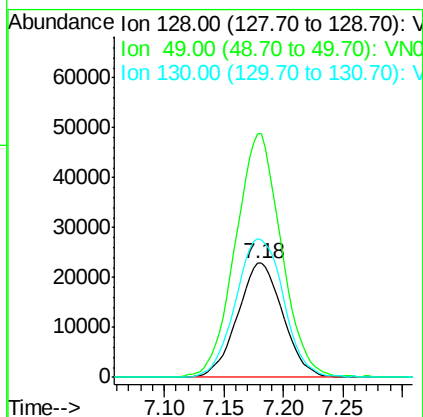
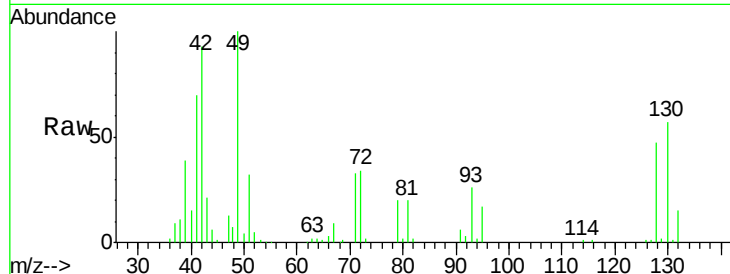
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	215.7	0.0	544.5
130	128.4	0.0	324.7

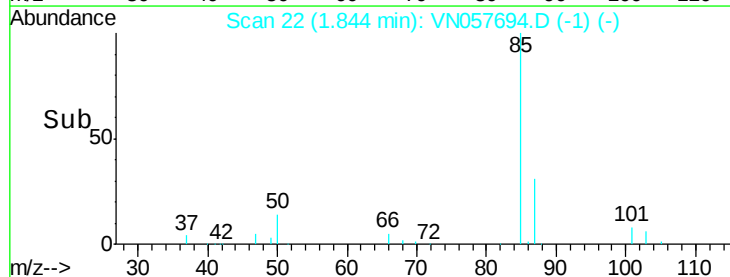
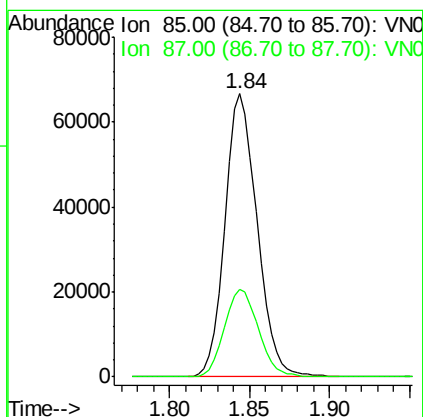
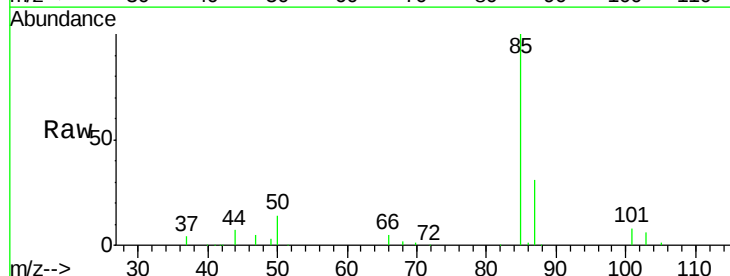
Manual Integrations
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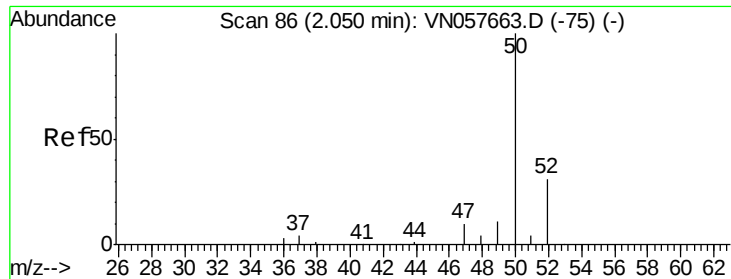
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#2
 Dichlorodifluoromethane
 Concen: 21.017 ug/l
 RT: 1.84 min Scan# 22
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.6	49.7





#3

Chloromethane

Concen: 20.612 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 94710

Ion Ratio Lower Upper

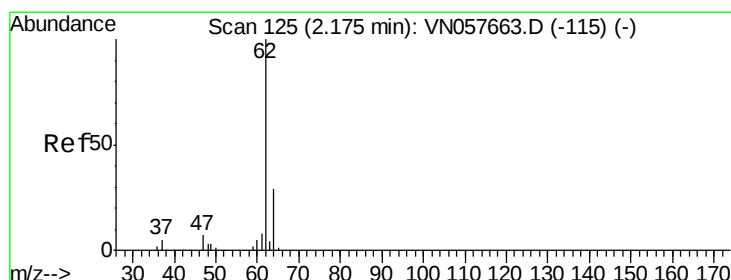
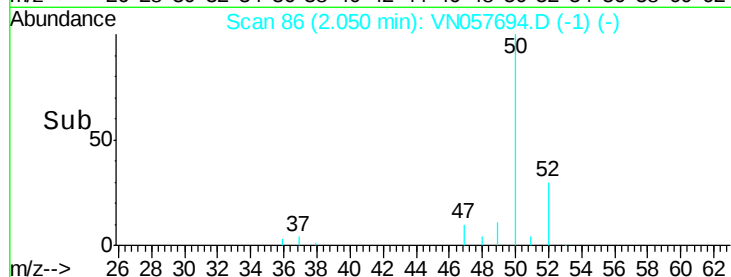
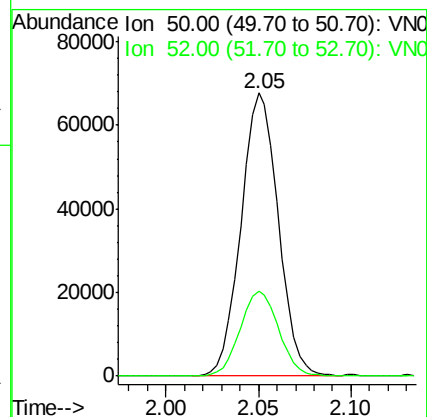
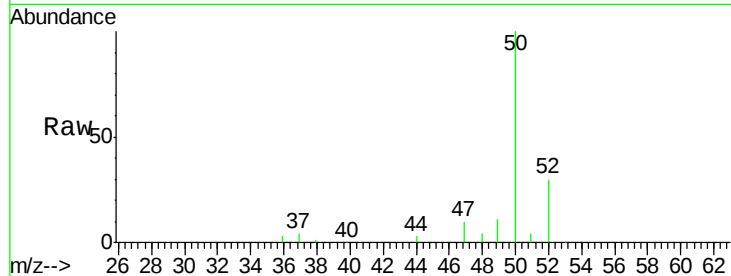
50 100

52 30.2 25.2 37.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.744 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057694.D

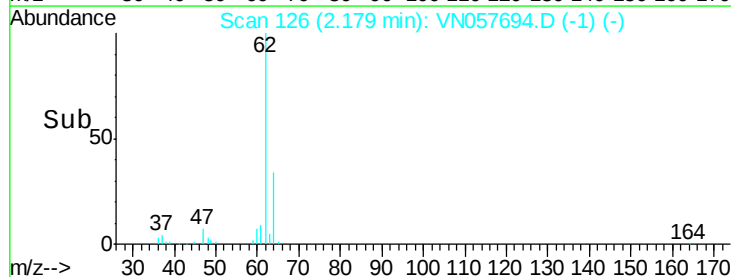
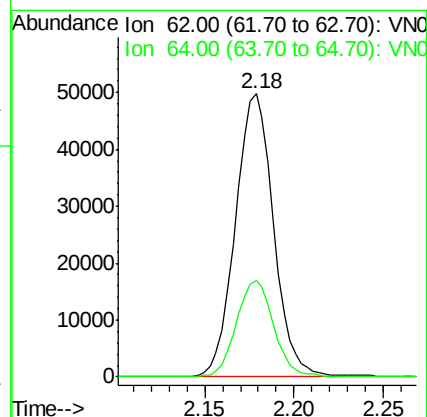
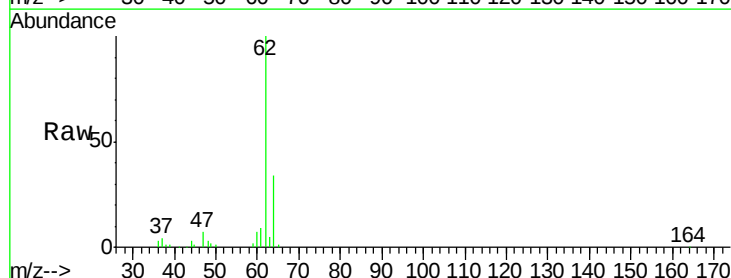
Acq: 5 Sep 2019 10:22

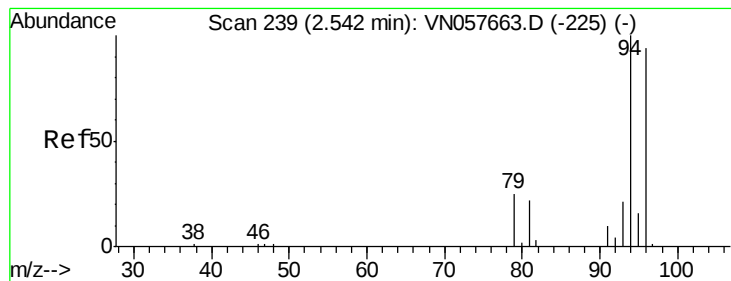
Tgt Ion: 62 Resp: 74188

Ion Ratio Lower Upper

62 100

64 34.0 23.2 34.8





#5

Bromomethane

Concen: 21.368 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 51330

Ion Ratio Lower Upper

94 100

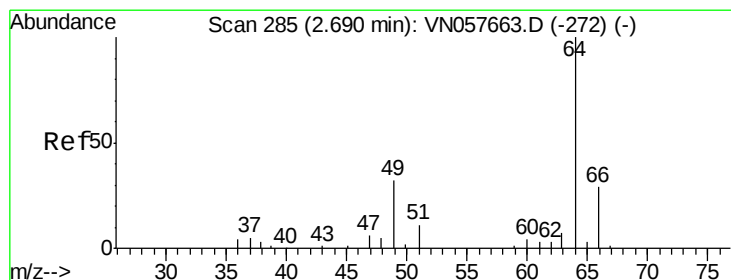
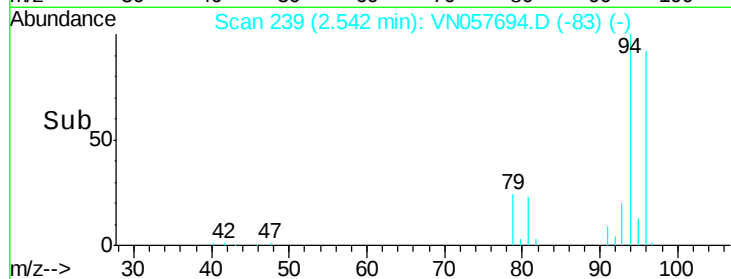
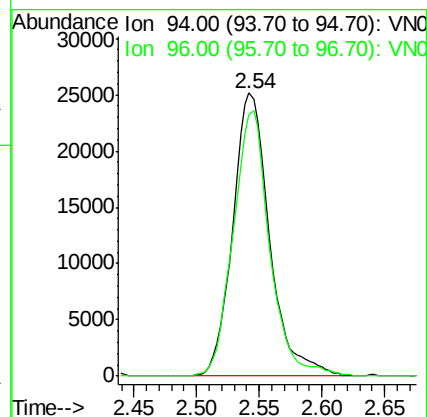
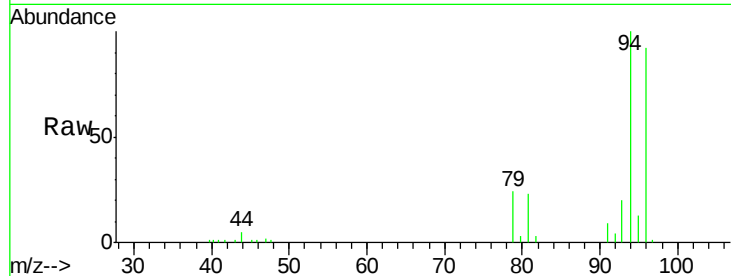
96 92.4 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 20.157 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057694.D

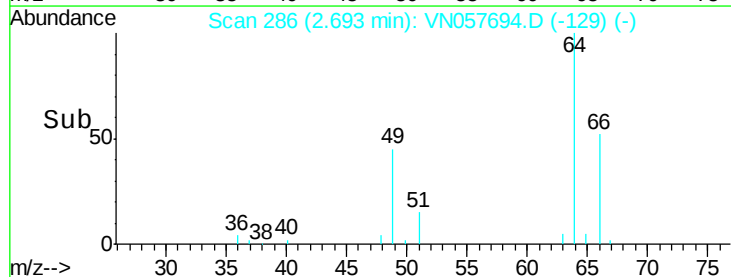
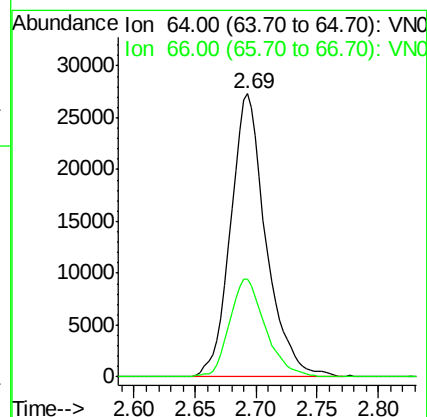
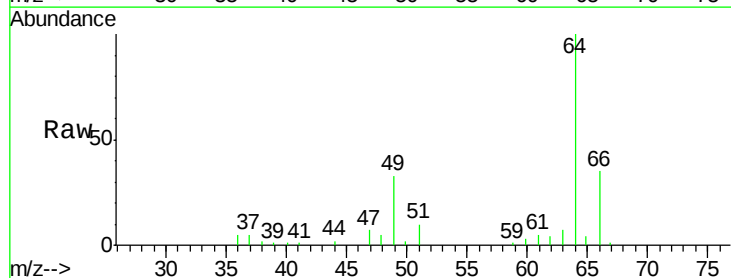
Acq: 5 Sep 2019 10:22

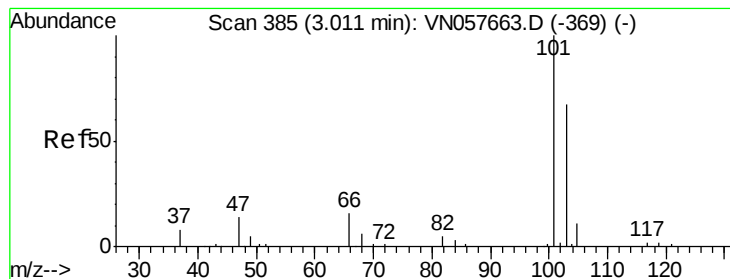
Tgt Ion: 64 Resp: 55307

Ion Ratio Lower Upper

64 100

66 34.6 23.5 35.3





#7

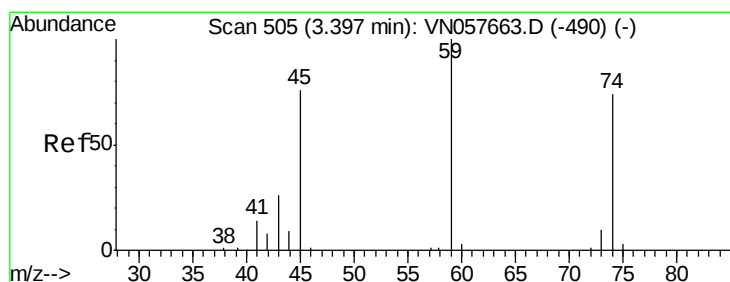
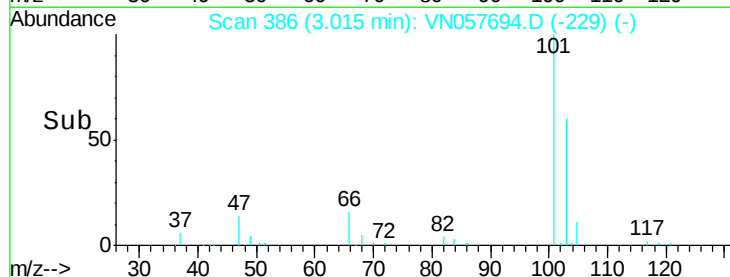
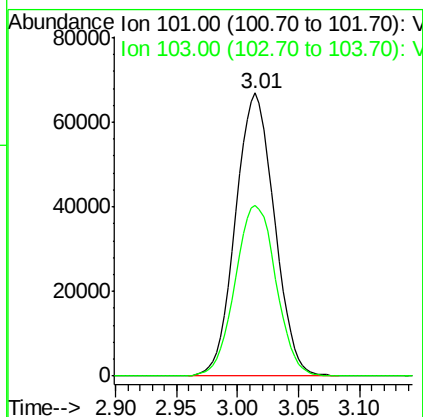
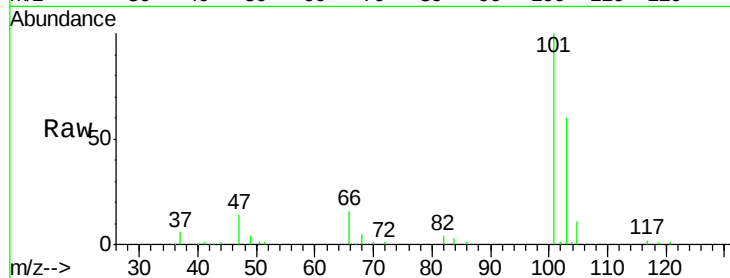
Trichlorofluoromethane
 Concen: 20.509 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
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 ClientSampleId :
 VSTDCCC020

Tot Ion:101 Resp: 147590
 Ion Ratio Lower Upper
 101 100
 103 60.2 53.6 80.4

Manual Integrations
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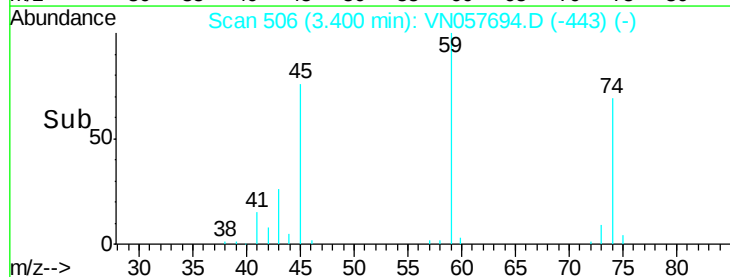
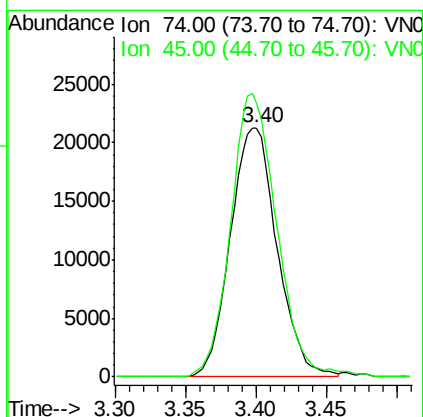
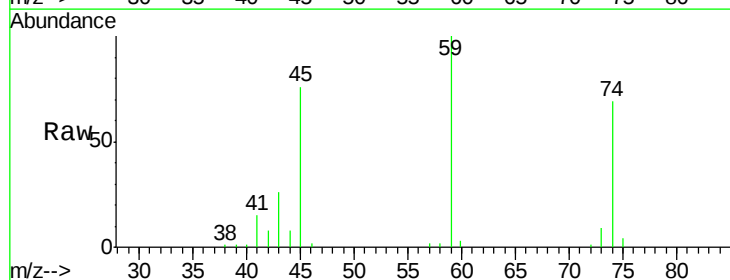
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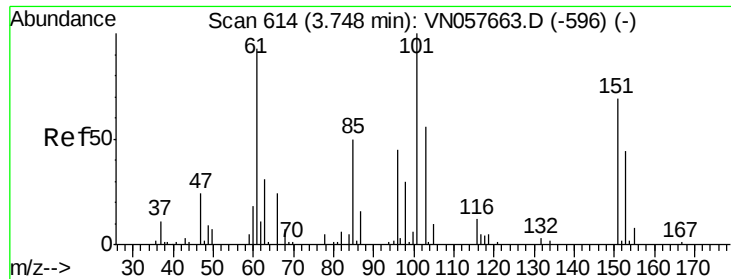


#8

Diethyl Ether
 Concen: 20.771 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion: 74 Resp: 49166
 Ion Ratio Lower Upper
 74 100
 45 111.1 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.571 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

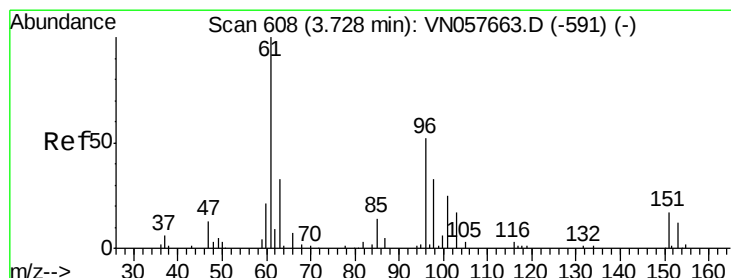
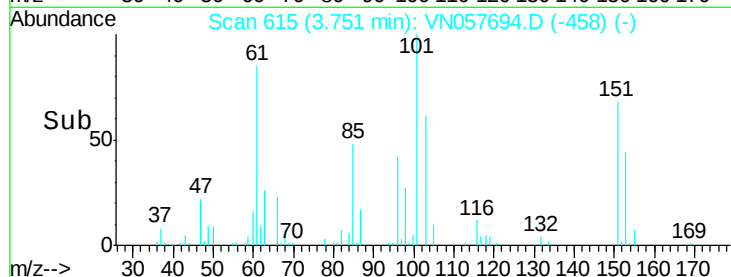
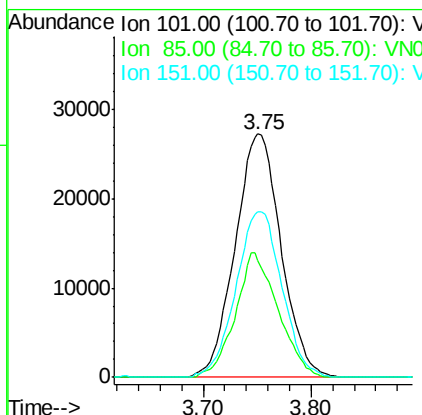
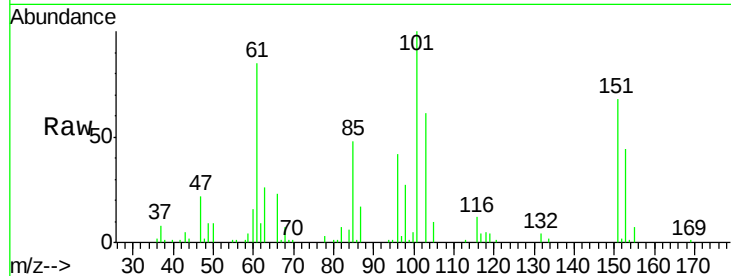
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	80672
Ion Ratio	Lower	Upper	
101	100		
85	47.6	0.0	100.2
151	68.1	0.0	140.6

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#10

1,1-Dichloroethene

Concen: 20.207 ug/l

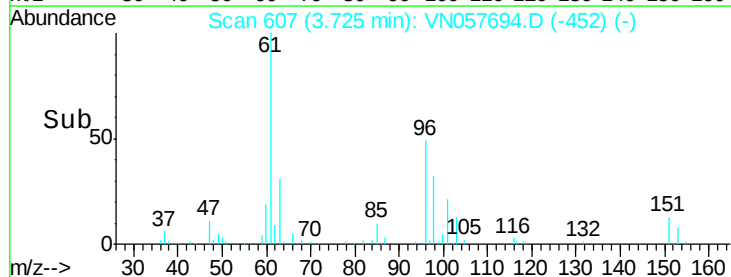
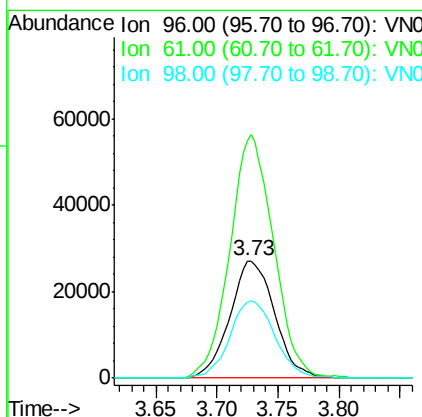
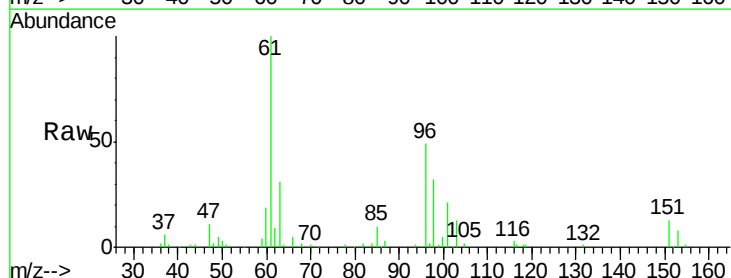
RT: 3.73 min Scan# 607

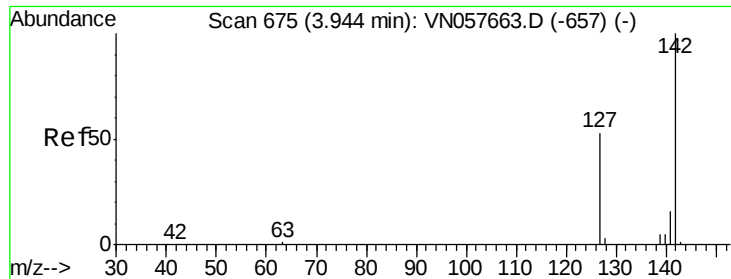
Delta R.T. -0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Tgt Ion:	96	Resp:	68943
Ion Ratio	Lower	Upper	
96	100		
61	201.8	152.9	229.3
98	64.9	51.0	76.4





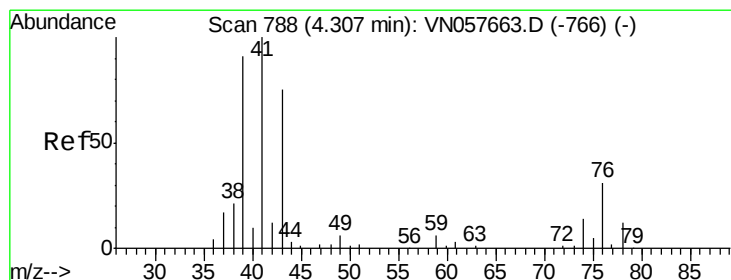
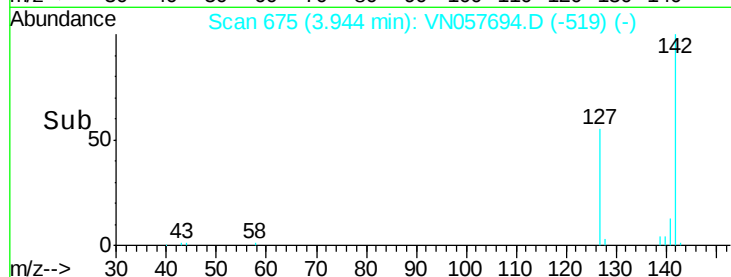
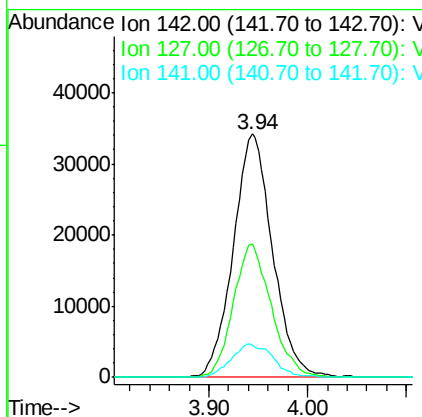
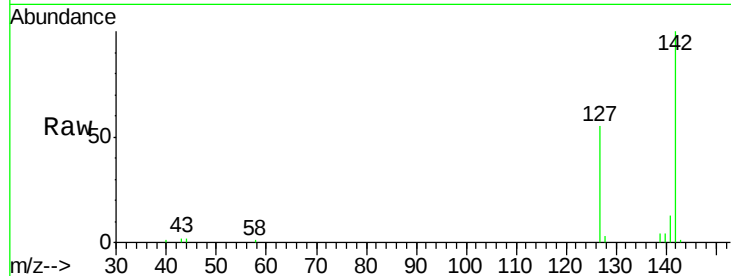
#11
Methvl Iodide
Concen: 20.005 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	54.7	26.2	78.5
141	13.4	7.6	22.9

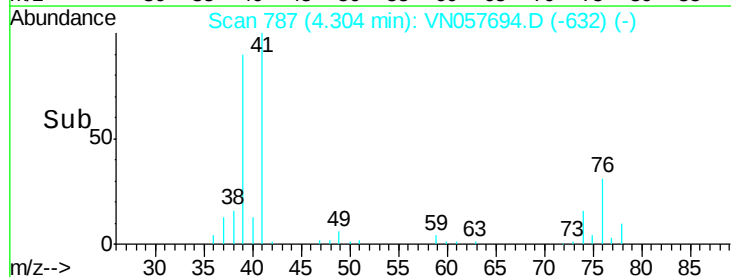
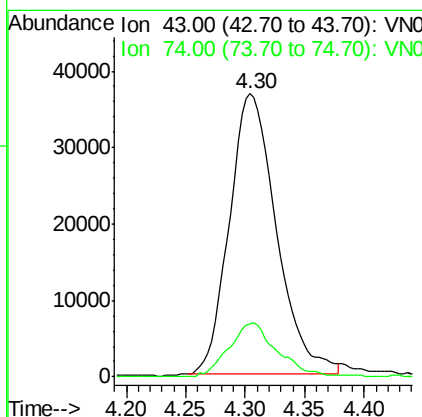
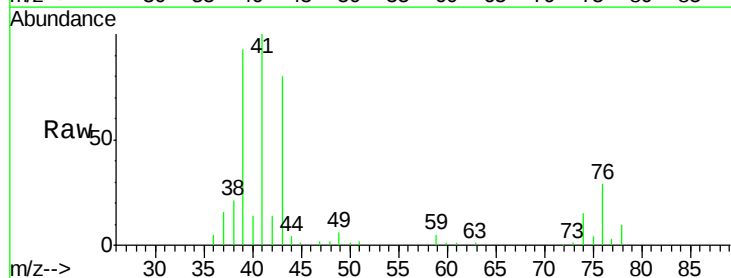
Manual Integrations
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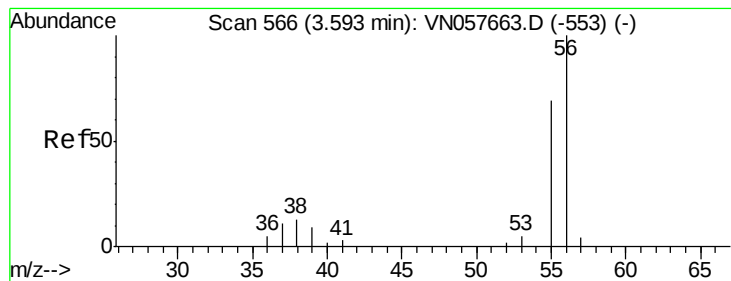
MMDadoda
9/6/2019 8:26:08 AM



#12
Methyl Acetate
Concen: 19.777 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	14.6	22.0





#13

Acrolein

Concen: 82.498 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 23845

Ion Ratio Lower Upper

56 100

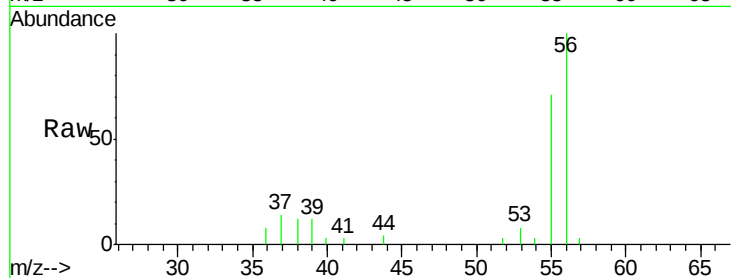
55 71.7 54.2 81.4

Manual Integrations

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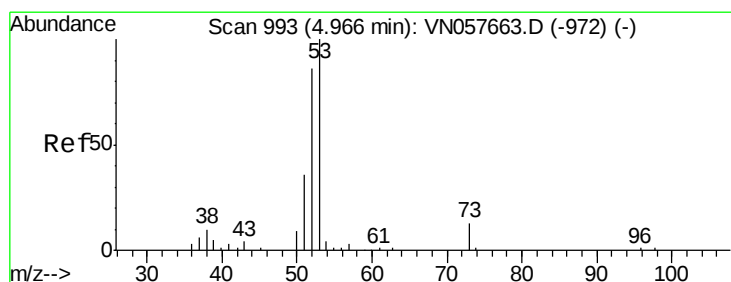
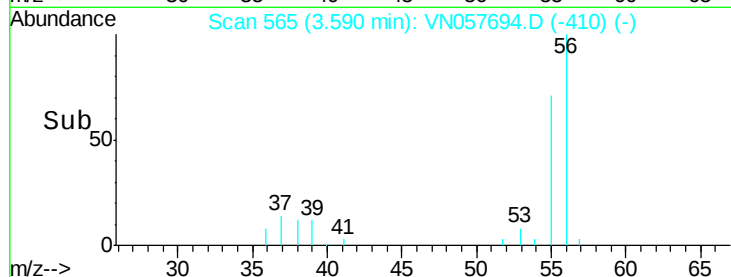
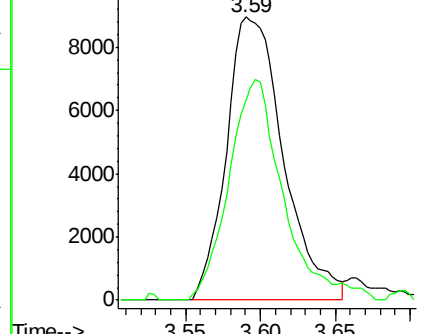
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.814 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

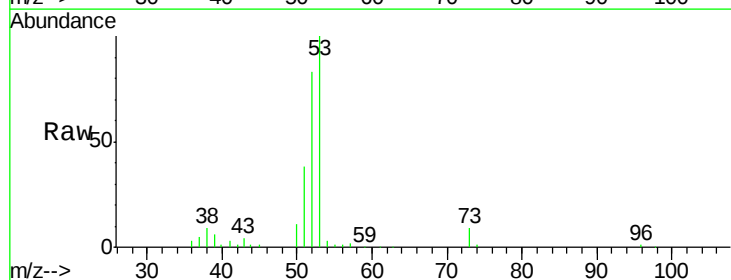
Tgt Ion: 53 Resp: 183197

Ion Ratio Lower Upper

53 100

52 82.2 41.9 125.7

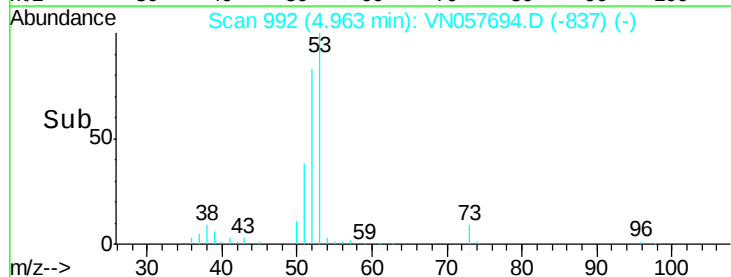
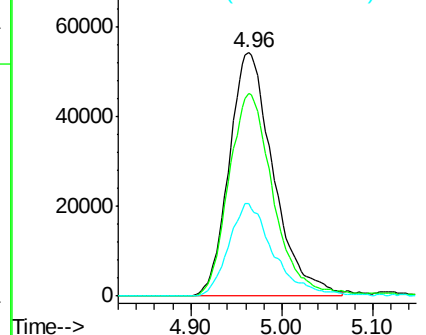
51 38.0 19.4 58.2

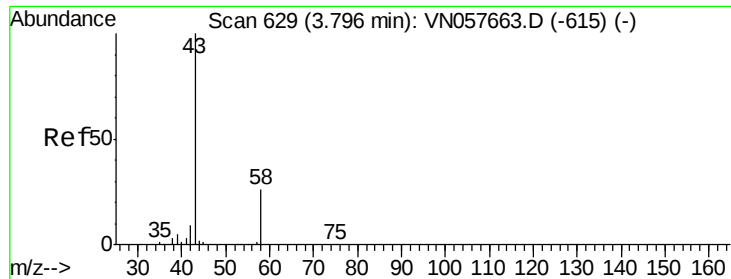


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 110.273 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 57346

Ion Ratio Lower Upper

58 100

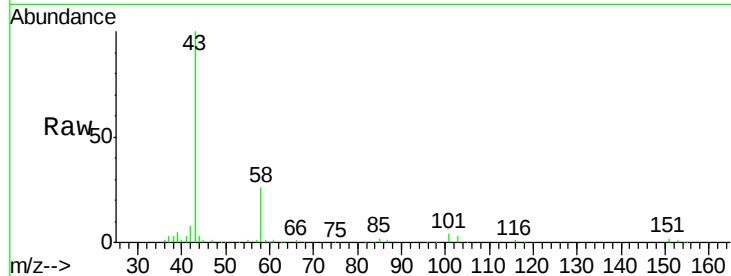
43 383.8 308.8 463.2

Manual Integrations

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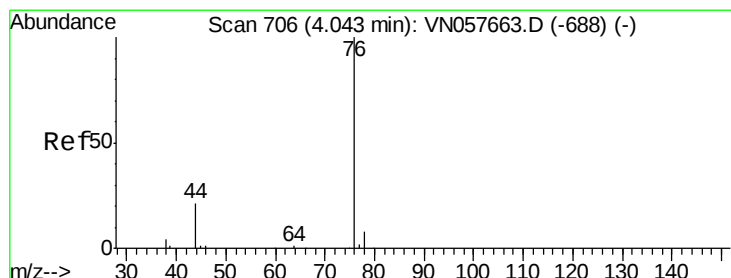
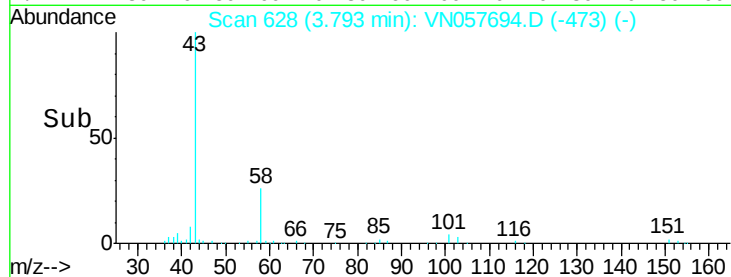
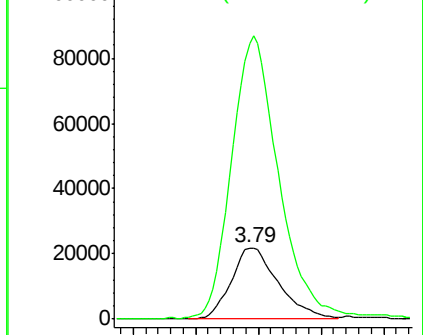
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Abundance Ion 58.00 (57.70 to 58.70): VN057663.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN057663.D (-615) (-)



#16

Carbon Disulfide

Concen: 19.345 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN057694.D

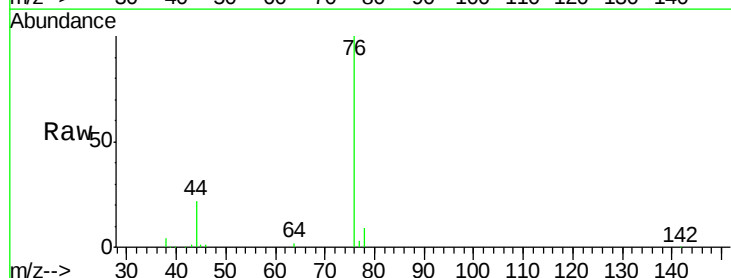
Acq: 5 Sep 2019 10:22

Tgt Ion: 76 Resp: 165805

Ion Ratio Lower Upper

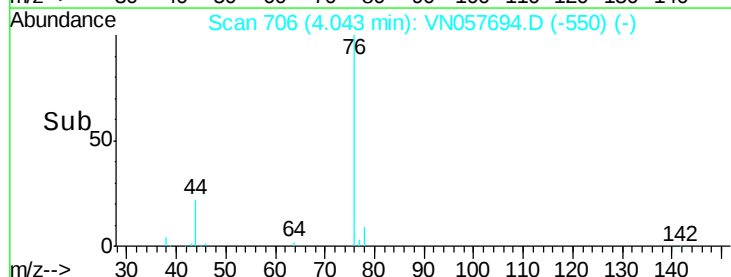
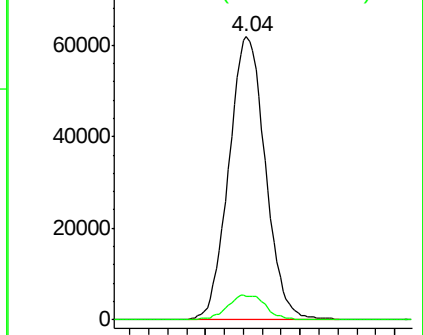
76 100

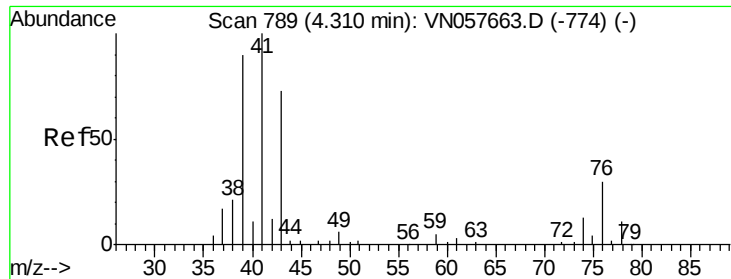
78 8.5 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN057663.D (-688) (-)

Ion 78.00 (77.70 to 78.70): VN057663.D (-688) (-)





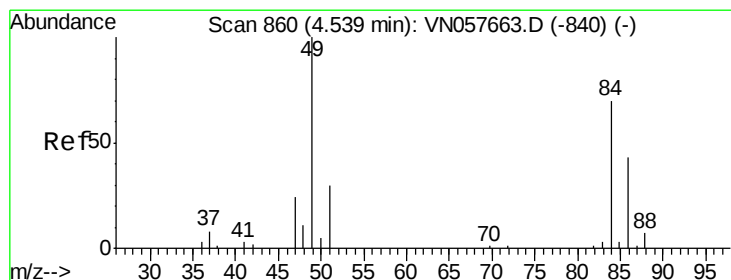
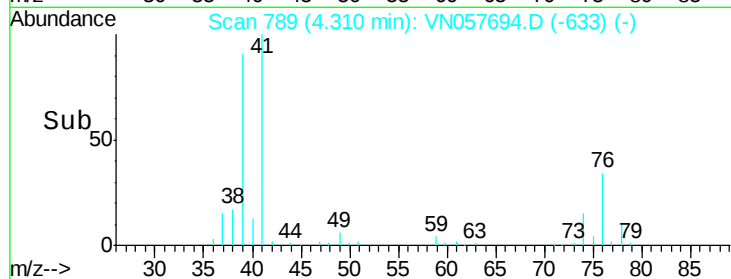
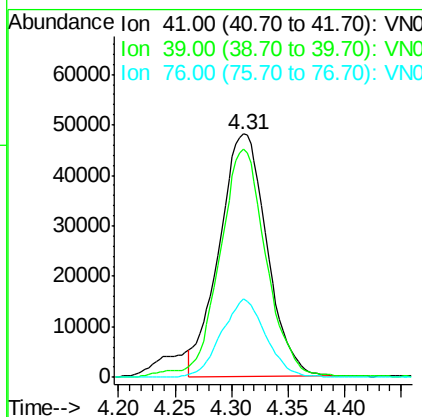
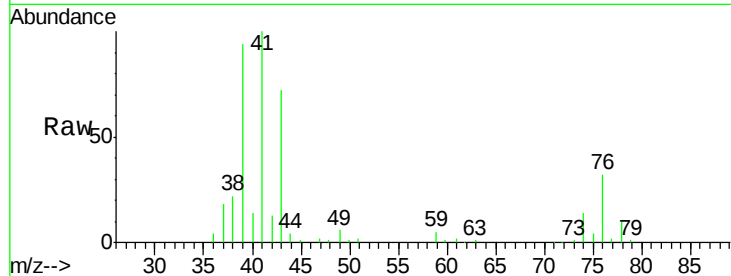
#17
Allvl chloride
Concen: 19.421 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	141522
Ion	Ratio	Lower	Upper
41	100		
39	93.4	43.0	128.8
76	32.4	14.2	42.8

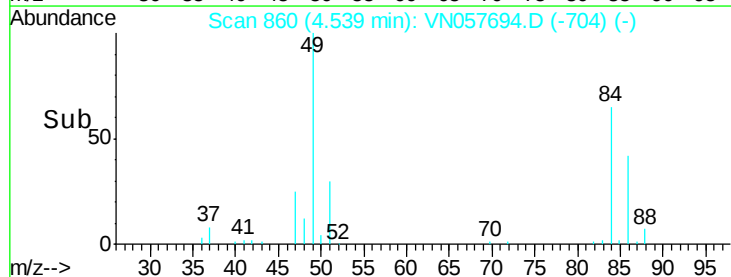
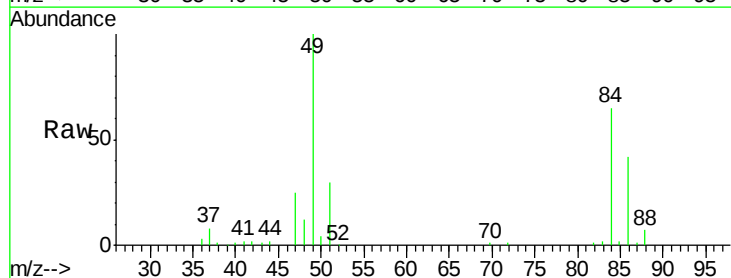
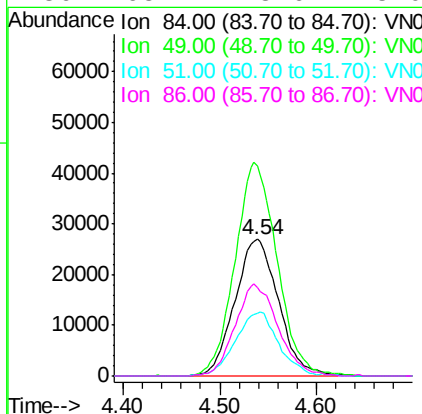
Manual Integrations
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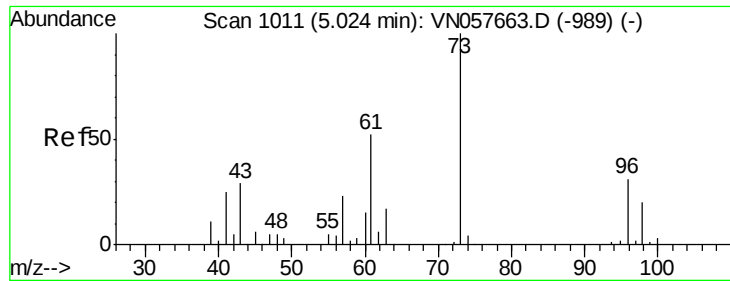
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#18
Methylene Chloride
Concen: 19.746 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion:	84	Resp:	84421
Ion	Ratio	Lower	Upper
84	100		
49	154.1	113.7	170.5
51	45.8	34.5	51.7
86	65.1	48.6	73.0





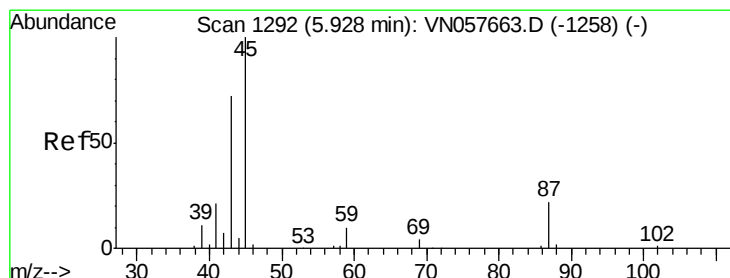
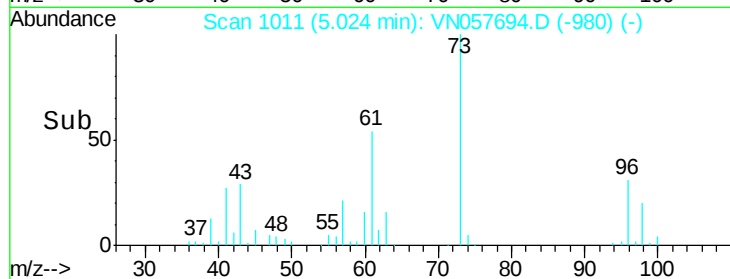
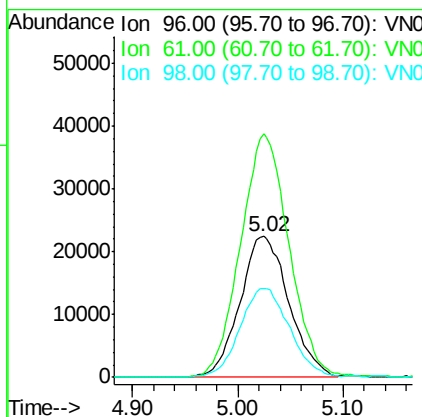
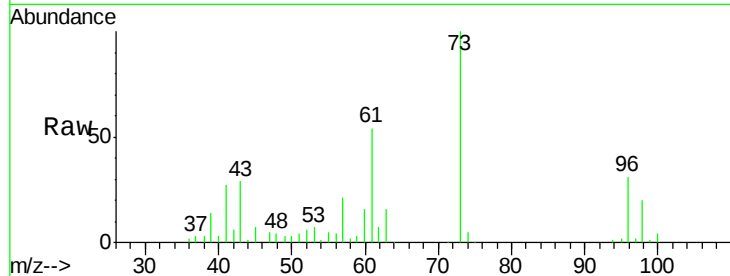
#19
trans-1,2-Dichloroethene
Concen: 20.087 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.6	133.4	200.0
98	63.1	50.4	75.6

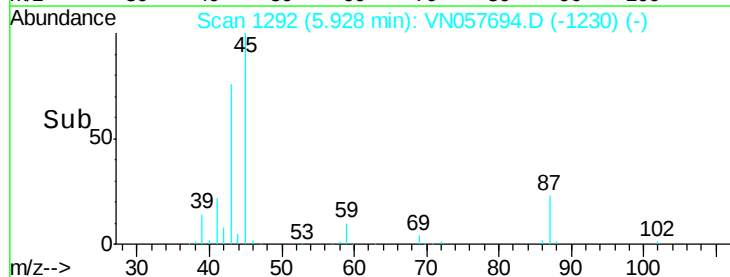
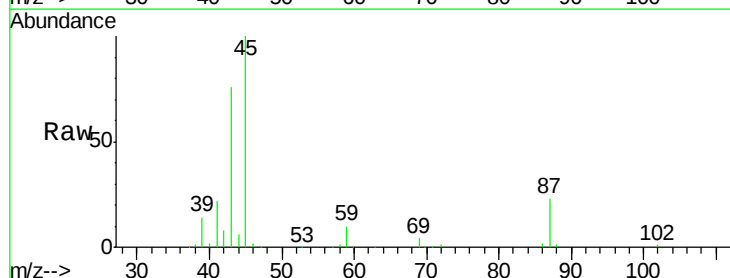
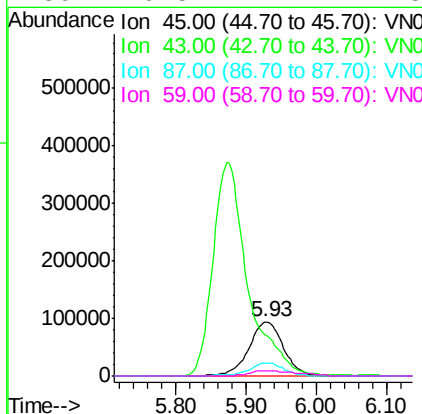
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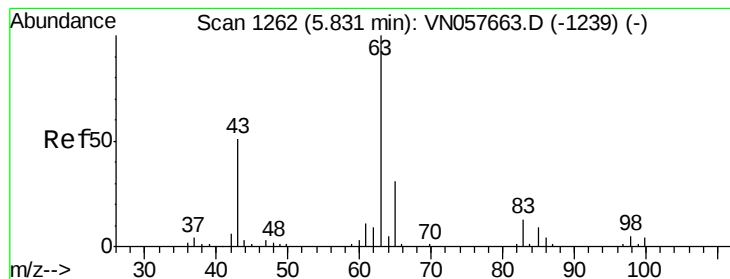
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#20
Diisopropyl ether
Concen: 20.441 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.5	58.3	87.5
87	23.2	18.5	27.7
59	10.5	7.7	11.5





#21

1,1-Dichloroethane

Concen: 20.314 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

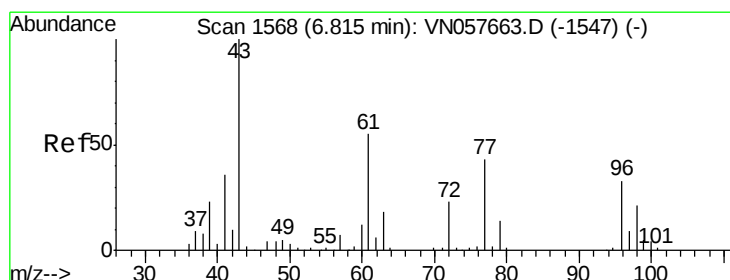
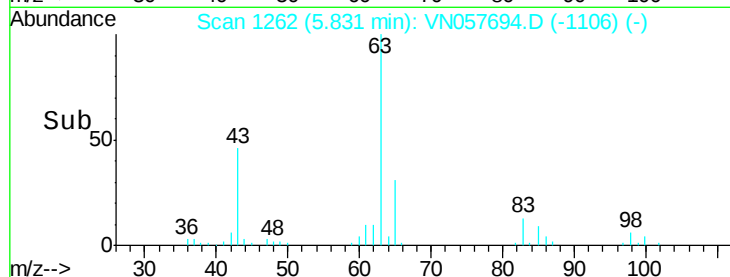
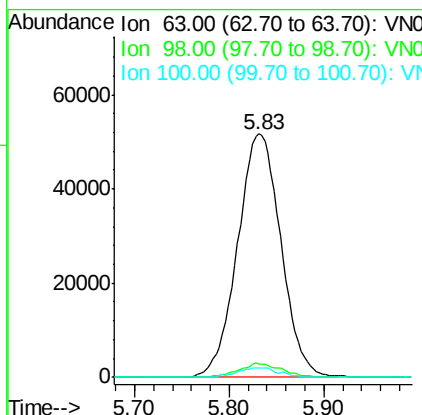
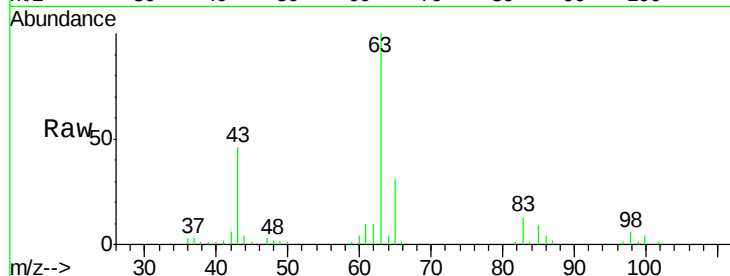
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	164413
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.6	7.8
100	3.8	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.727 ug/l

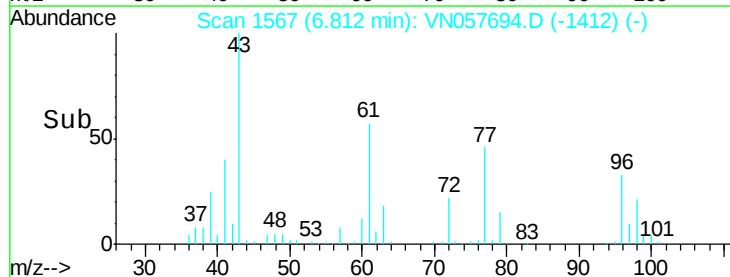
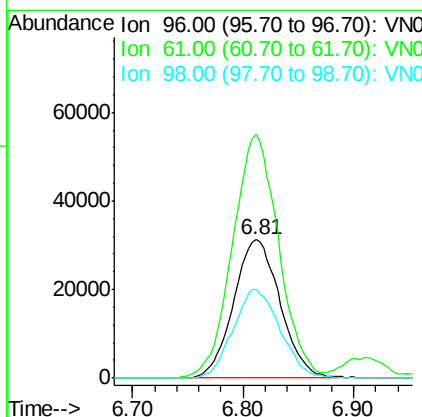
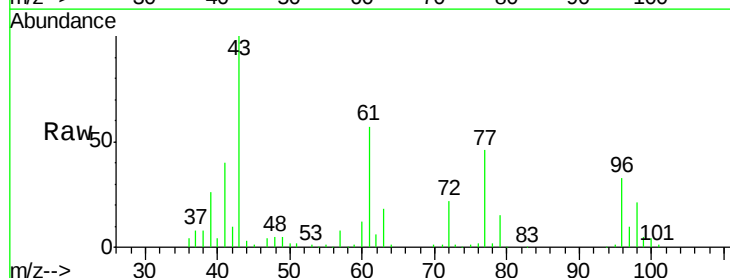
RT: 6.81 min Scan# 1567

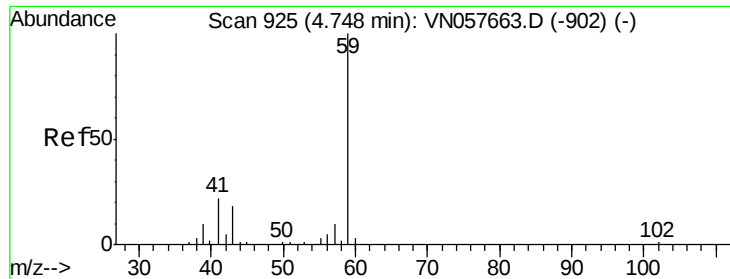
Delta R.T. -0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Tgt Ion:	96	Resp:	91367
Ion	Ratio	Lower	Upper
96	100		
61	174.3	137.2	205.8
98	64.3	50.5	75.7





#23

tert-Butyl Alcohol

Concen: 95.408 ug/l

RT: 4.75 min Scan# 925

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 64317

Ion Ratio Lower Upper

59 100

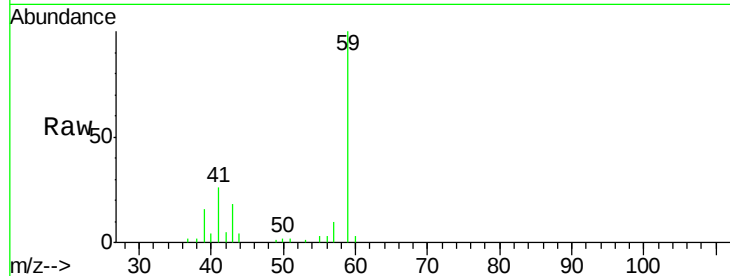
52 0.3 0.0 0.0#

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN057663.D (-902) (-)

Ion 52.00 (51.70 to 52.70): VN057663.D (-902) (-)

4.75

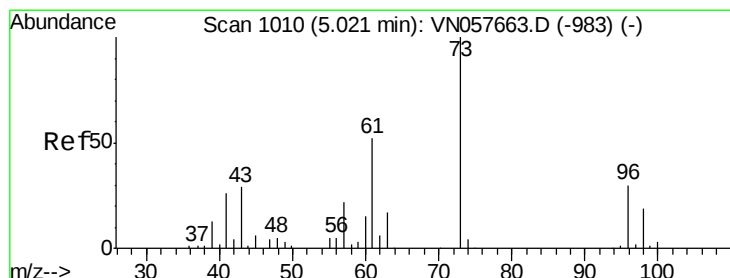
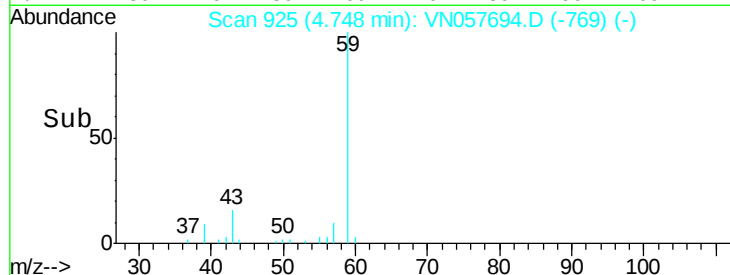
15000

10000

5000

0

Time--> 4.60 4.70 4.80



#24

Methyl tert-Butyl Ether

Concen: 20.406 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN057694.D

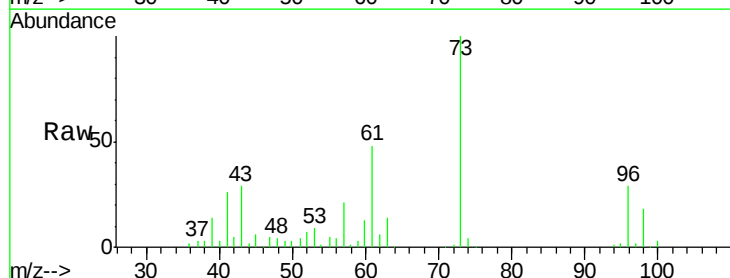
Acq: 5 Sep 2019 10:22

Tgt Ion: 73 Resp: 276644

Ion Ratio Lower Upper

73 100

43 29.5 23.2 34.8



Abundance Ion 73.00 (72.70 to 73.70): VN057663.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN057663.D (-983) (-)

5.02

80000

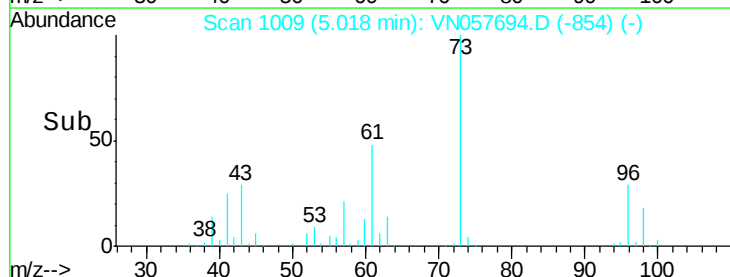
60000

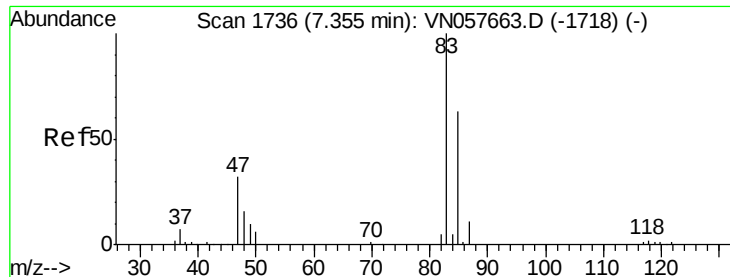
40000

20000

0

Time--> 4.90 5.00 5.10





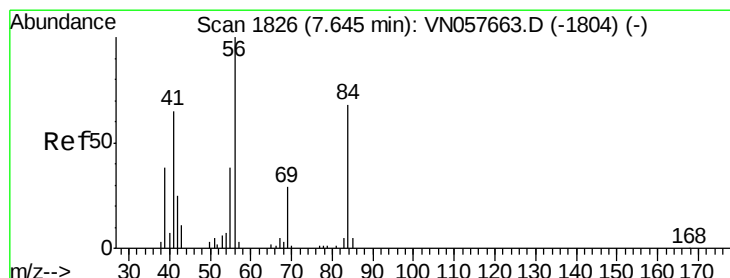
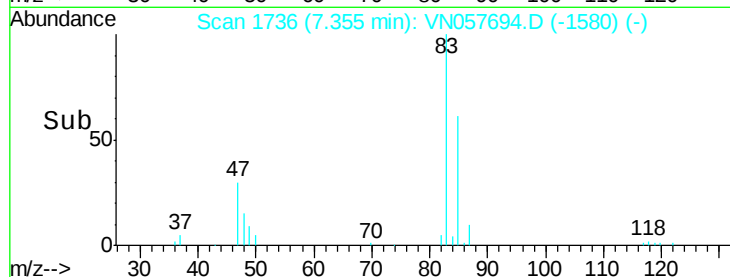
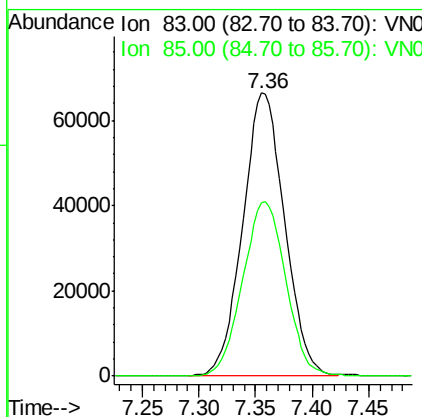
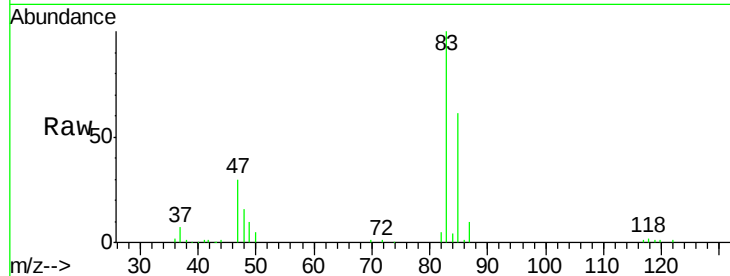
#25
Chloroform
Concen: 20.421 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	171322
Ion Ratio	Lower	Upper	
83	100		
85	61.4	50.8	76.2

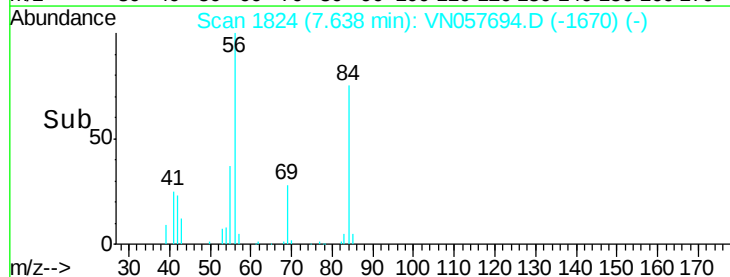
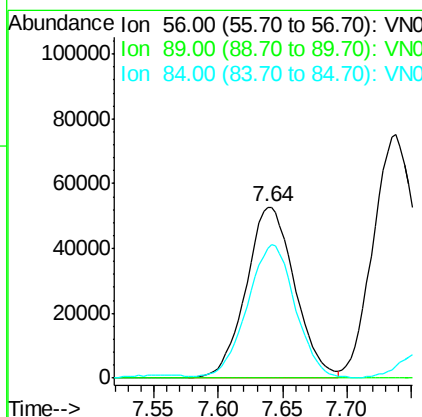
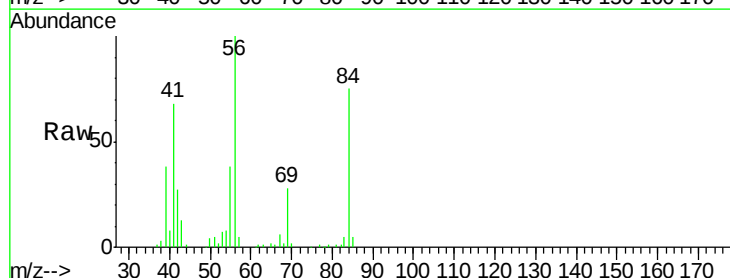
Manual Integrations
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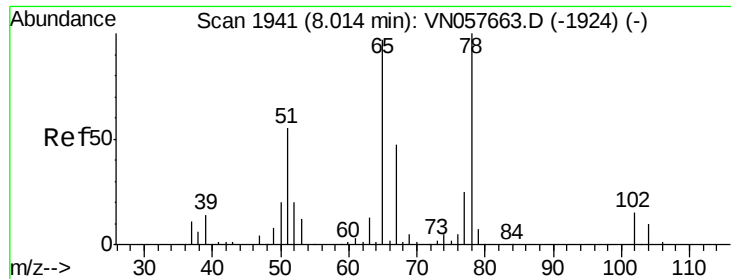
MMDadoda
9/6/2019 8:26:08 AM



#26
Cyclohexane
Concen: 20.157 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	56	Resp	138916
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	75.8	60.4	90.6





#27

1,2-Dichloroethane-d4

Concen: 30.208 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 194207

Ion Ratio Lower Upper

65 100

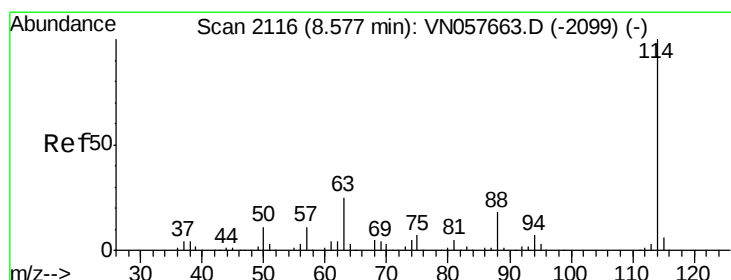
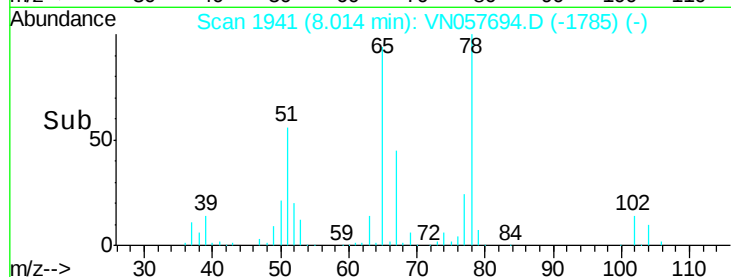
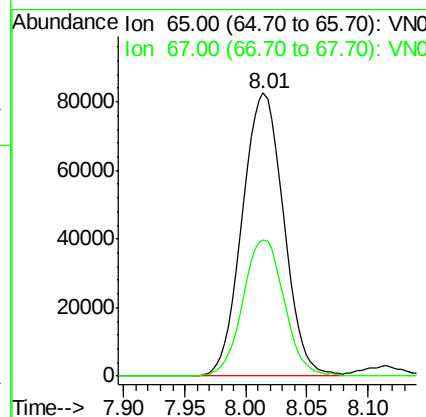
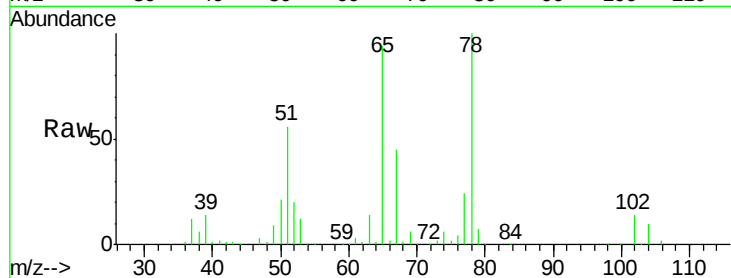
67 47.9 38.6 57.8

Manual Integrations

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9/6/2019 8:26:08 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

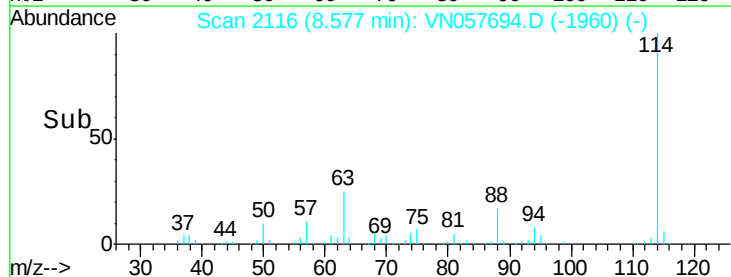
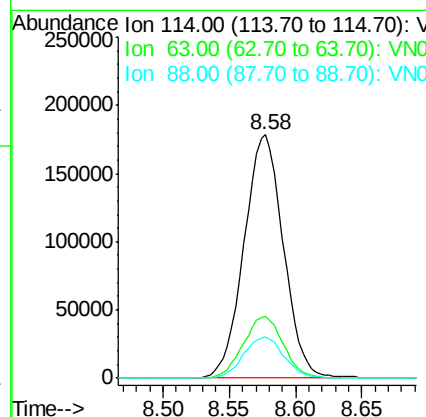
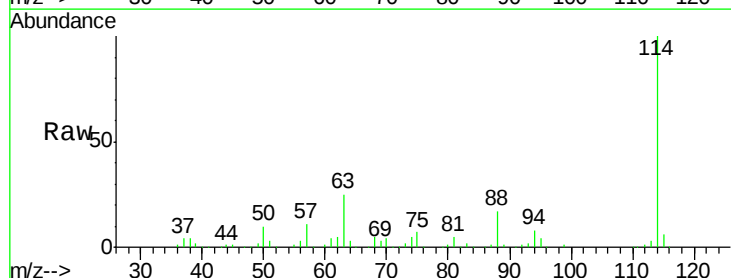
Tgt Ion: 114 Resp: 368659

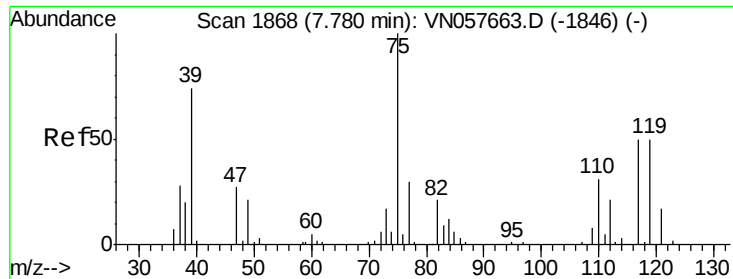
Ion Ratio Lower Upper

114 100

63 25.7 20.6 30.8

88 17.3 14.3 21.5





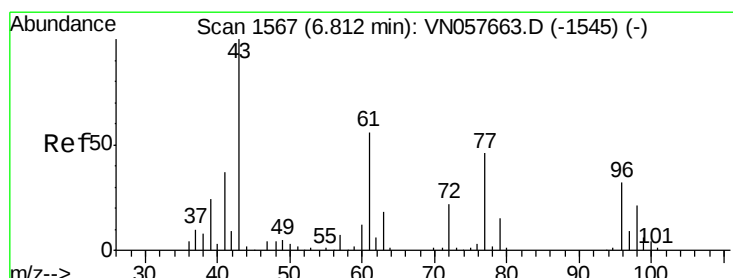
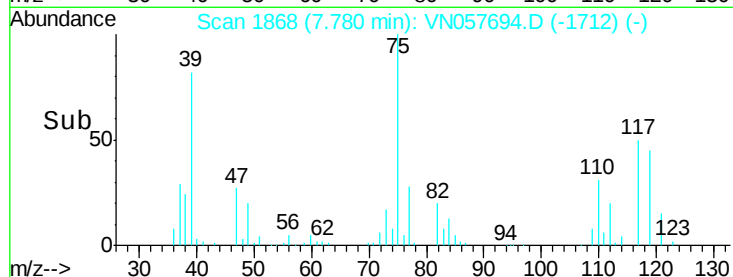
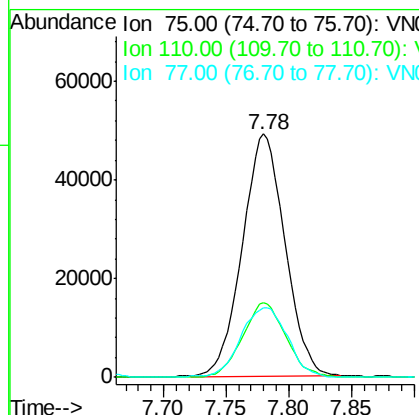
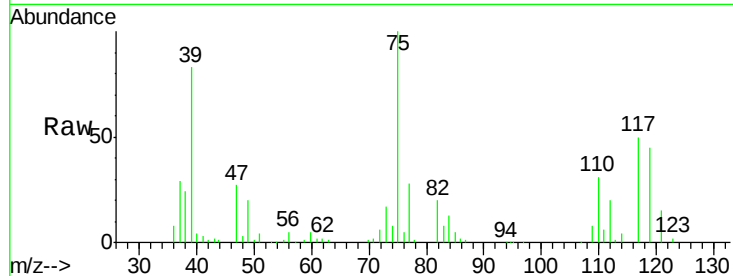
#29
 1,1-Dichloropropene
 Concen: 19.810 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.4	0.0	62.8	
77	31.4	0.0	57.8	

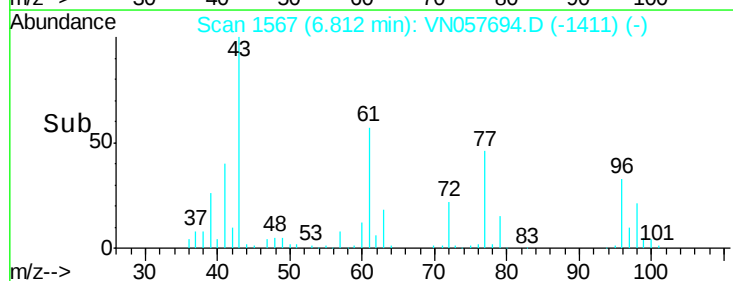
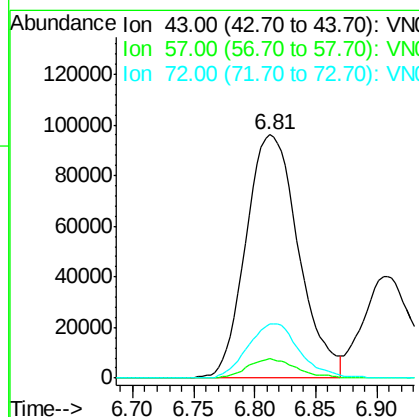
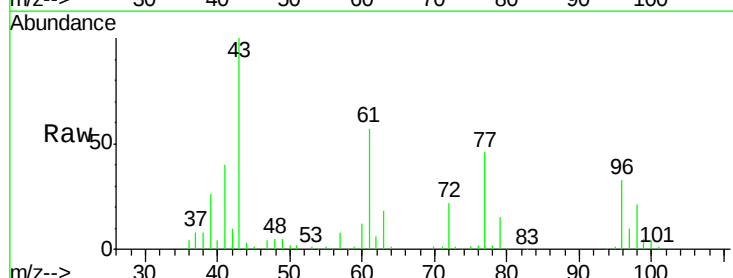
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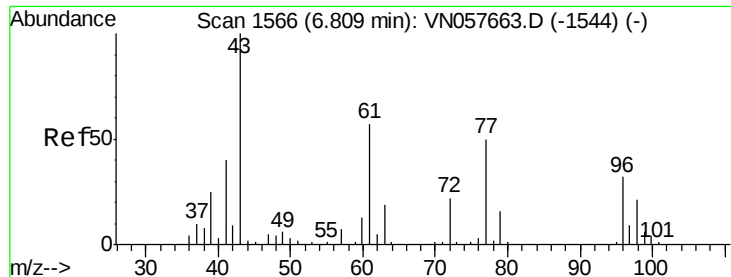
MMDadoda
 9/6/2019 8:26:08 AM



#30
 2-Butanone
 Concen: 102.794 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.5	2.6	3.8#	
72	22.4	18.1	27.1	





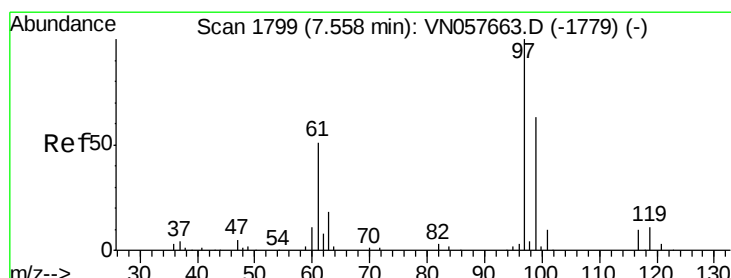
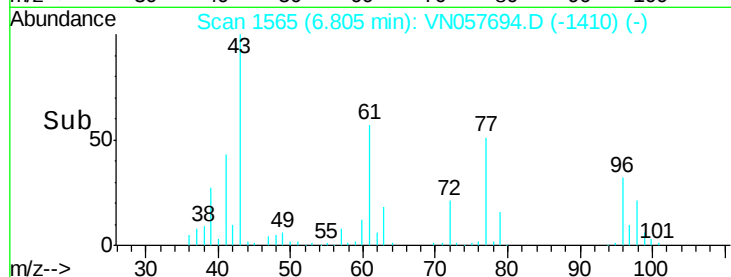
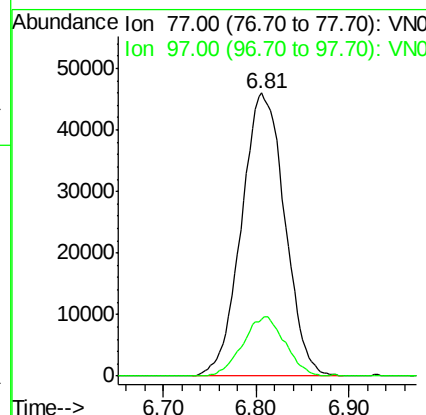
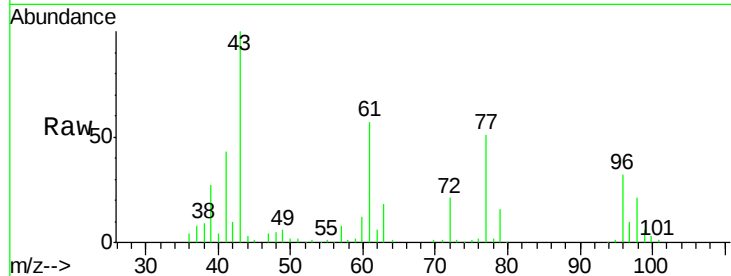
#31
 2,2-Dichloropropane
 Concen: 20.453 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 149022
 Ion Ratio Lower Upper
 77 100
 97 20.4 8.8 13.2#

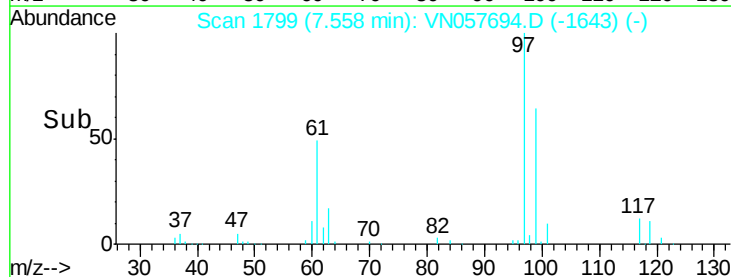
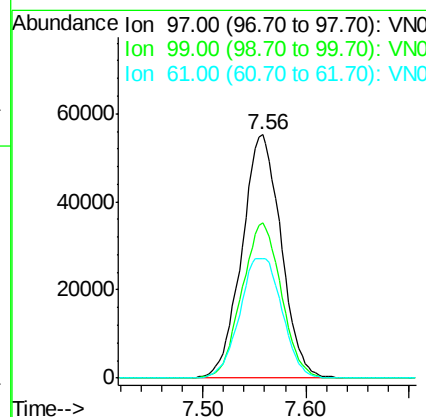
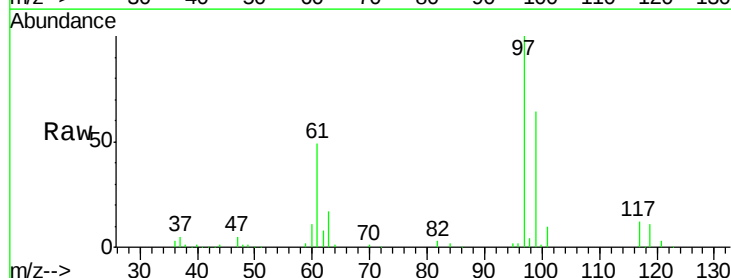
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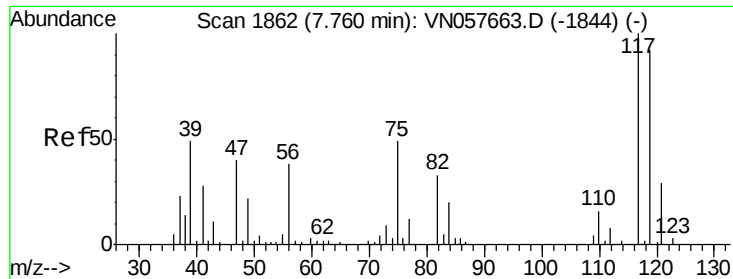
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.024 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion: 97 Resp: 145939
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.9 77.9
 61 53.1 41.4 62.0





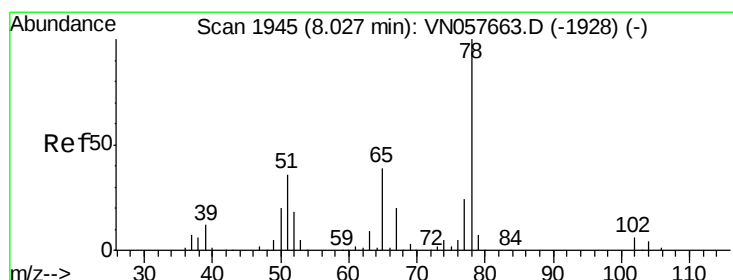
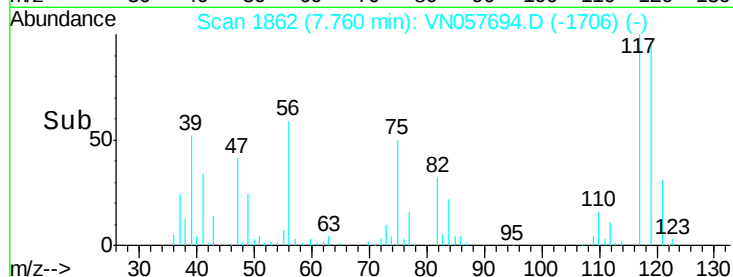
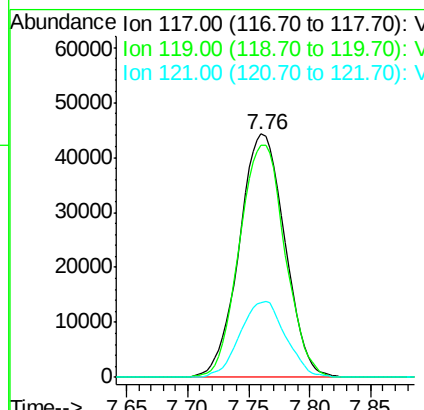
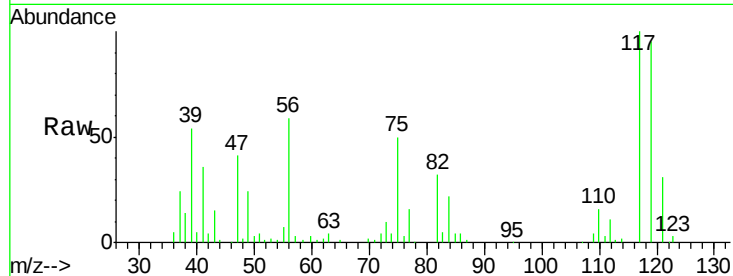
#33
Carbon Tetrachloride
Concen: 19.400 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	114819		
119	95.3	73.3	109.9	
121	30.7	23.3	34.9	

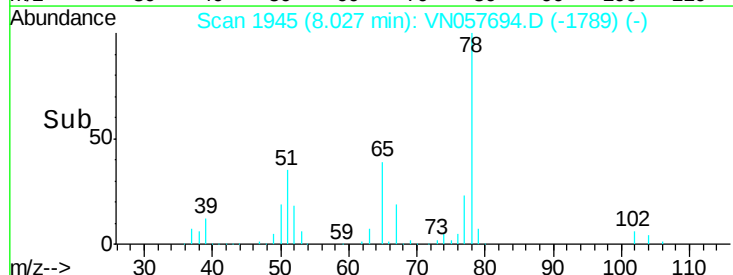
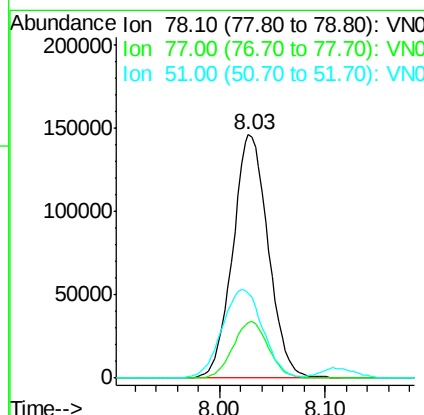
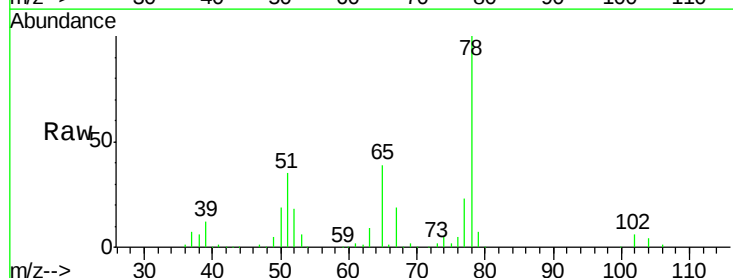
Manual Integrations
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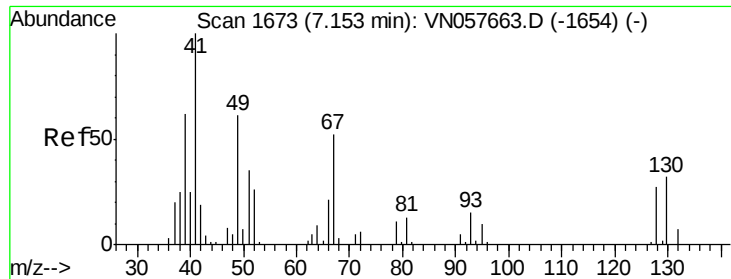
MMDadoda
9/6/2019 8:26:08 AM



#34
Benzene
Concen: 20.117 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	340186		
77	22.8	18.8	28.2	
51	34.4	29.0	43.6	





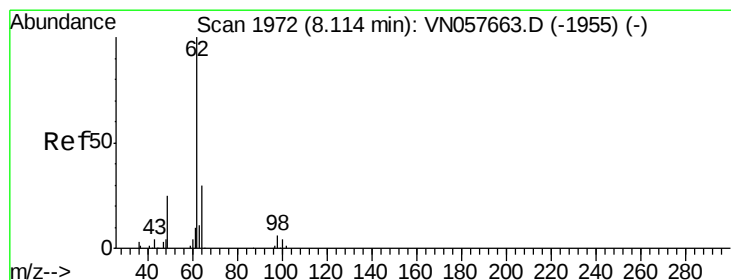
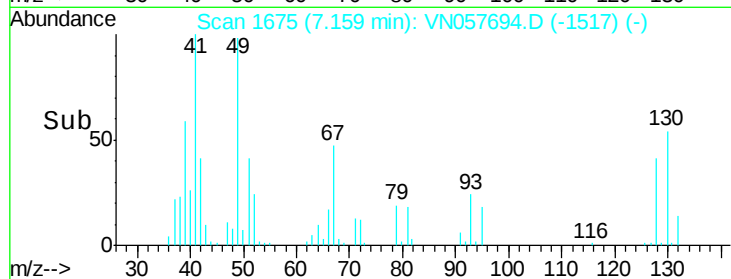
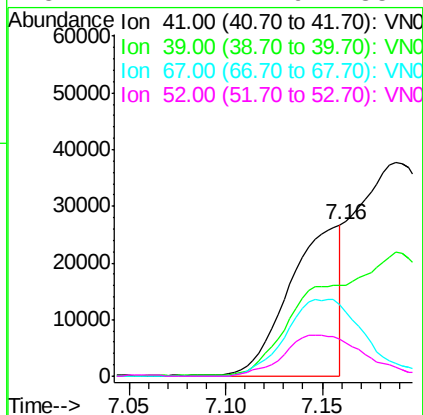
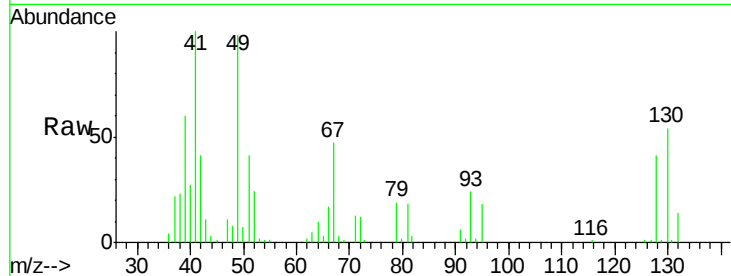
#35
Methacrylonitrile
Concen: 19.509 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		49700		
39	60.1	31.0	93.0		
67	47.4	25.9	77.7		
52	24.4	12.9	38.7		

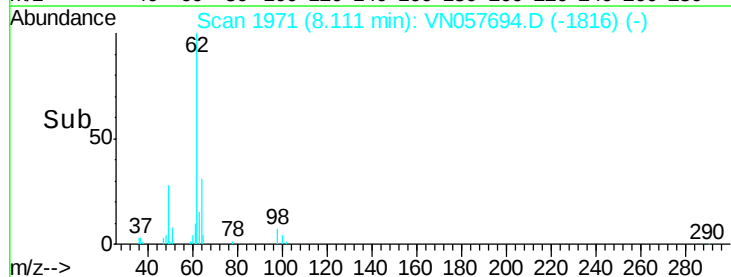
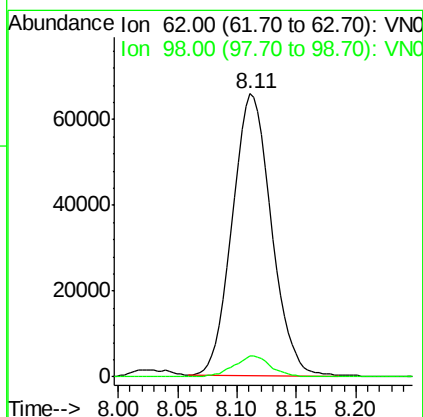
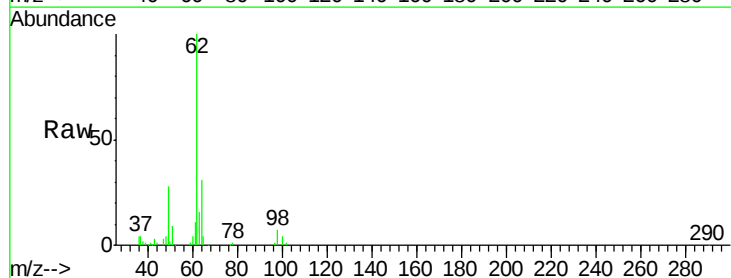
Manual Integrations
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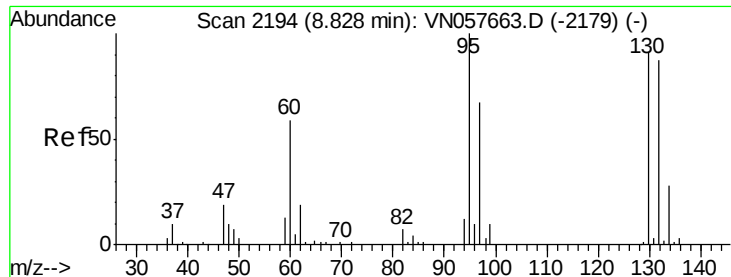
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.908 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		150028		
98	6.9	0.0	0.0#		





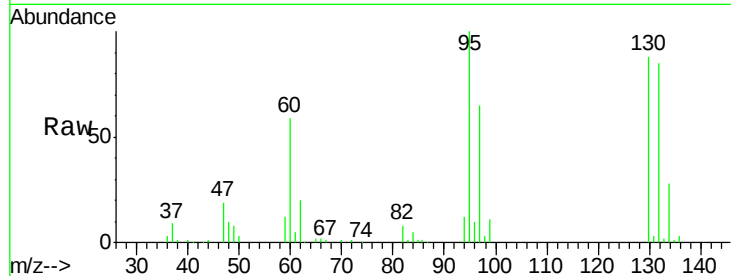
#37
 Trichloroethene
 Concen: 19.795 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

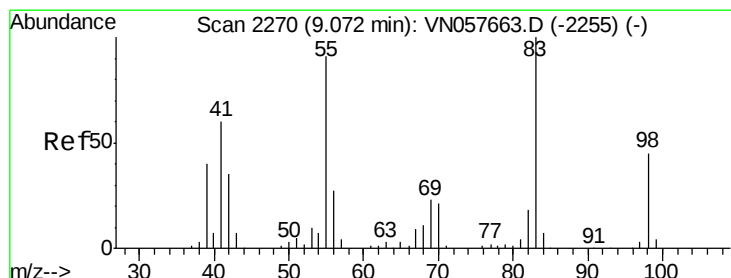
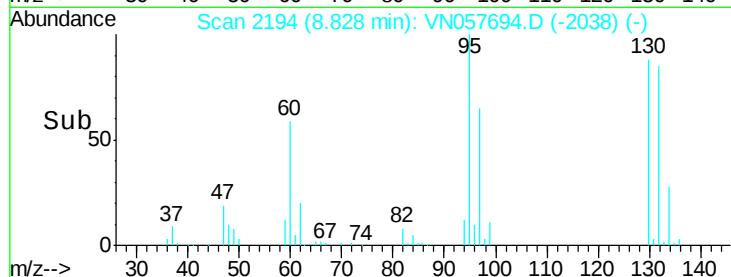
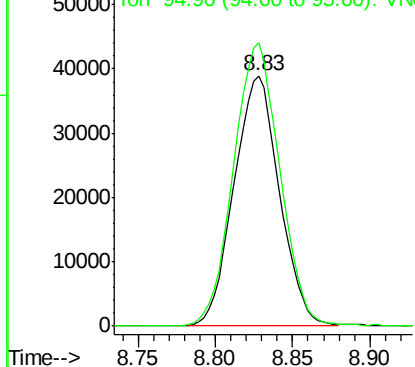
Tot Ion:130 Resp: 79483
 Ion Ratio Lower Upper
 130 100
 95 112.5 87.5 131.3

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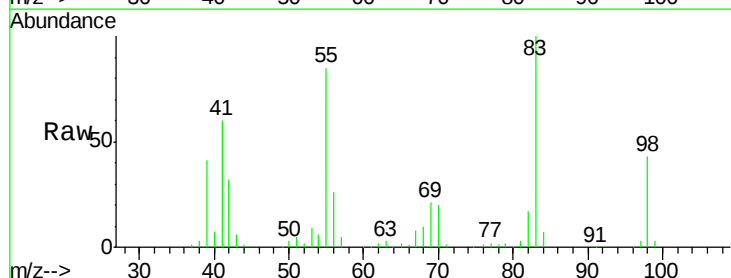


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

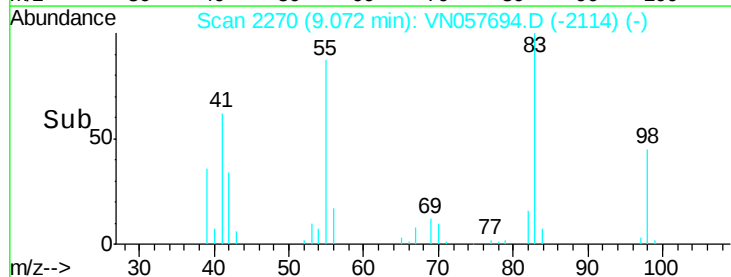
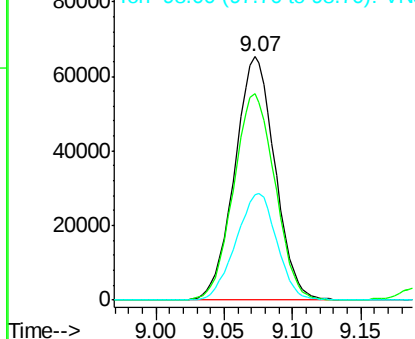


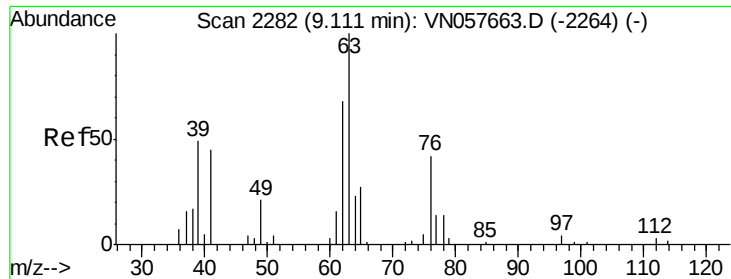
#38
 Methylcyclohexane
 Concen: 20.467 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion: 83 Resp: 133704
 Ion Ratio Lower Upper
 83 100
 55 87.2 45.1 135.3
 98 44.4 22.5 67.5



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





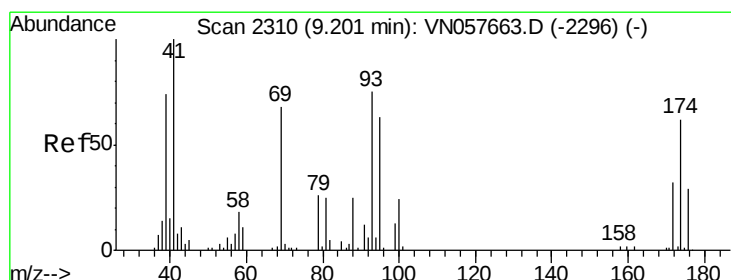
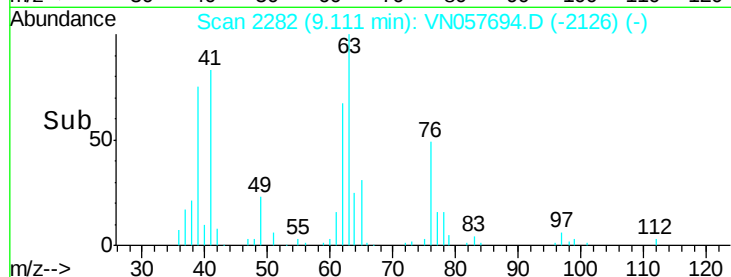
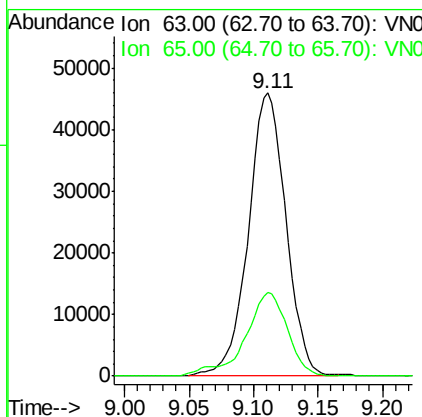
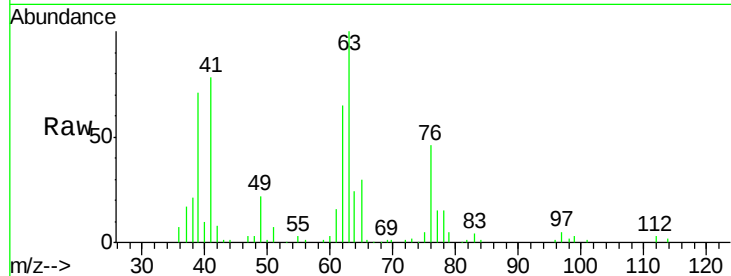
#39
 1,2-Dichloropropane
 Concen: 20.253 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 63 Resp: 93655
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.2 33.2

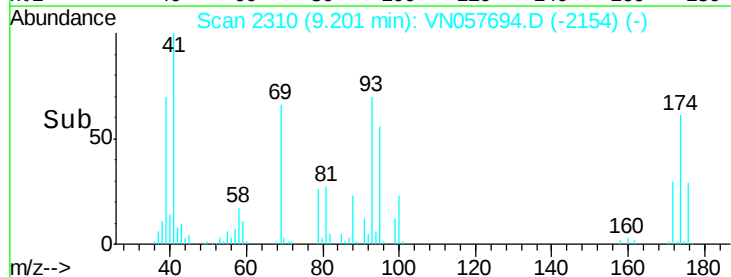
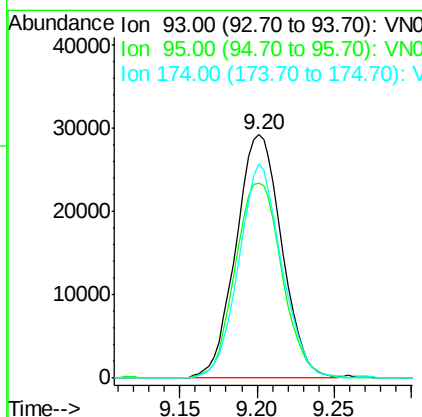
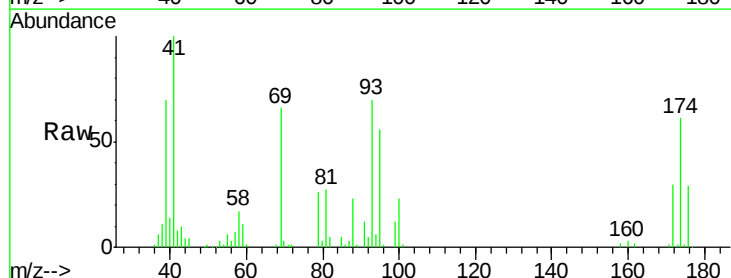
Manual Integrations
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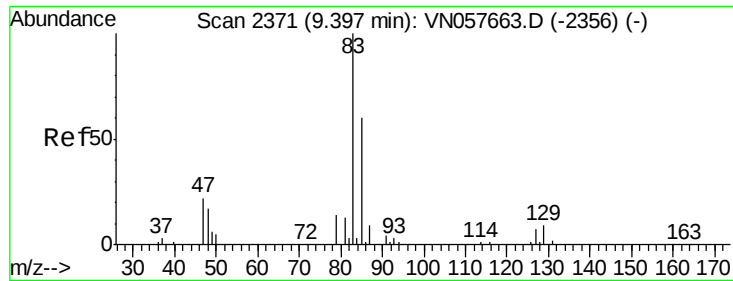
MMDadoda
 9/6/2019 8:26:08 AM



#40
 Dibromomethane
 Concen: 20.108 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion: 93 Resp: 60274
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 168.2
 174 82.2 0.0 169.2





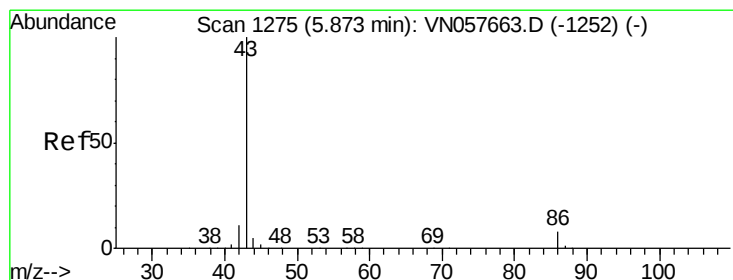
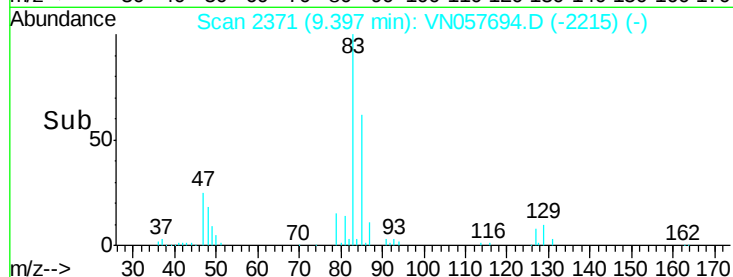
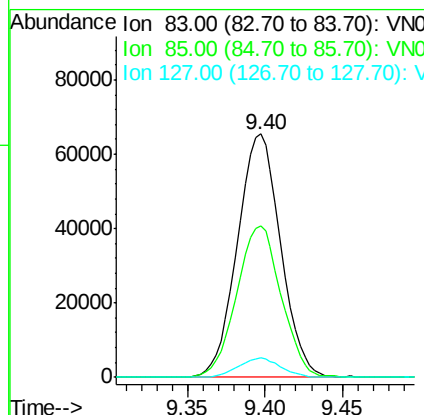
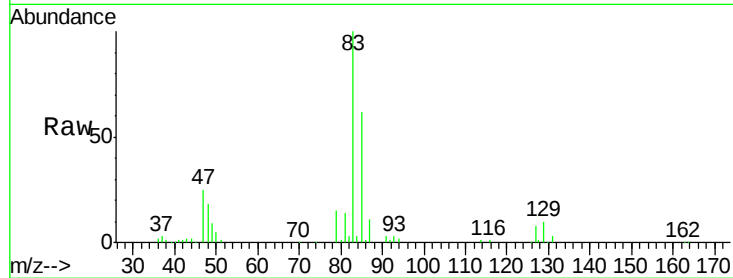
#41
Bromodichloromethane
Concen: 19.626 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	127158
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	48.2	72.4
127	8.9	5.3	7.9#

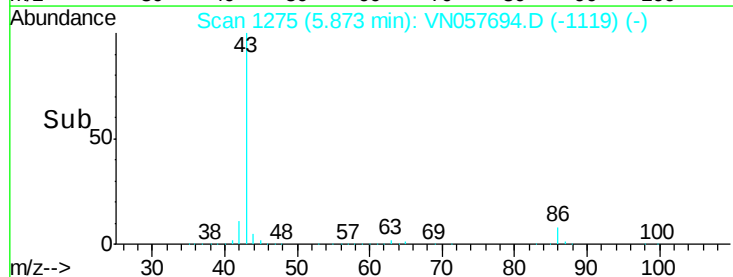
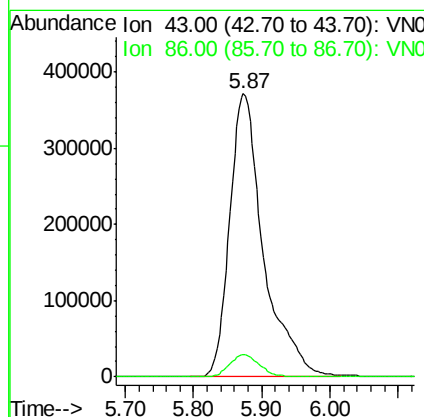
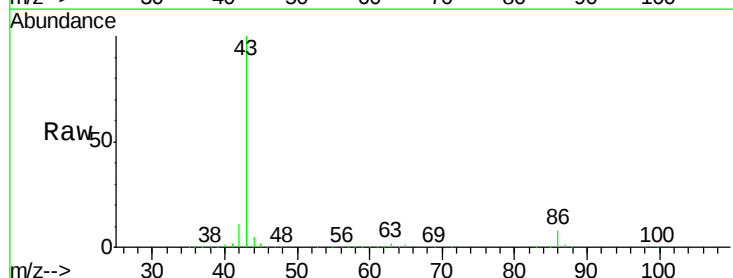
Manual Integrations
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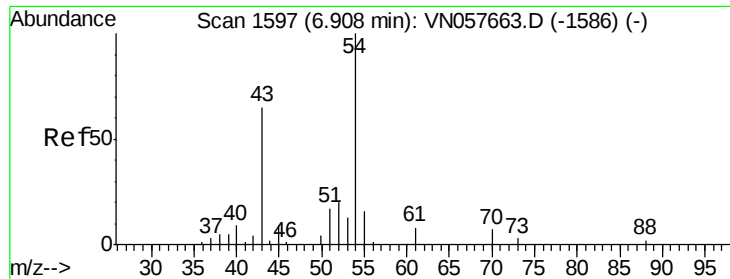
MMDadoda
9/6/2019 8:26:08 AM



#42
Vinyl Acetate
Concen: 104.548 ug/l
RT: 5.87 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	43	Resp	1277901
Ion Ratio	100	Lower	Upper
43	100		
86	7.0	5.4	8.2





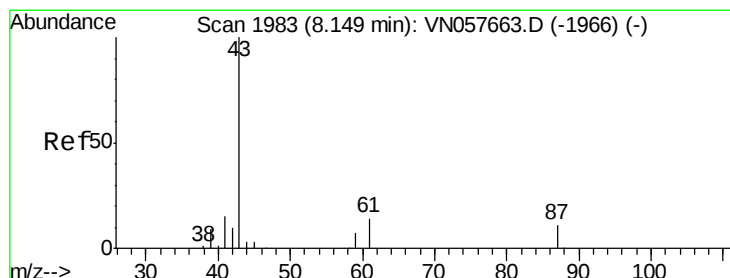
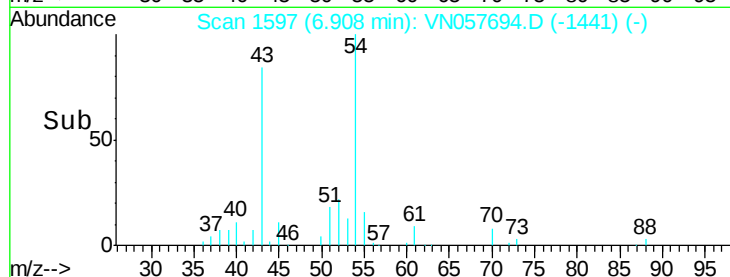
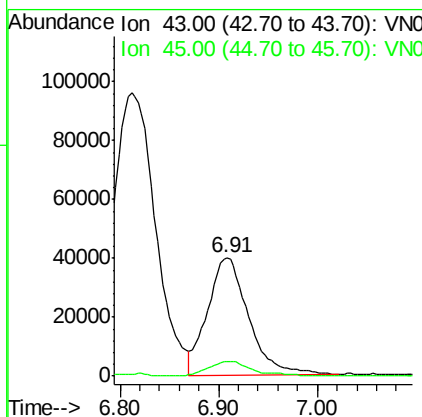
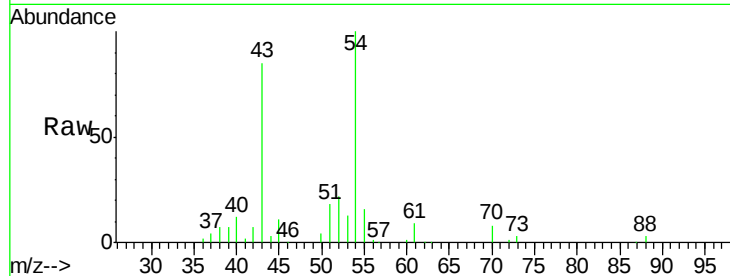
#43
Ethyl Acetate
Concen: 20.380 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 116707
Ion Ratio Lower Upper
43 100
45 11.1 5.0 7.6#

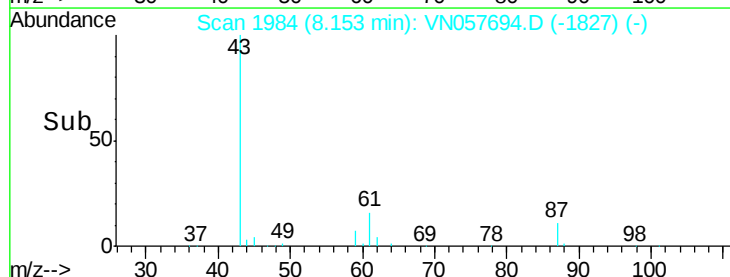
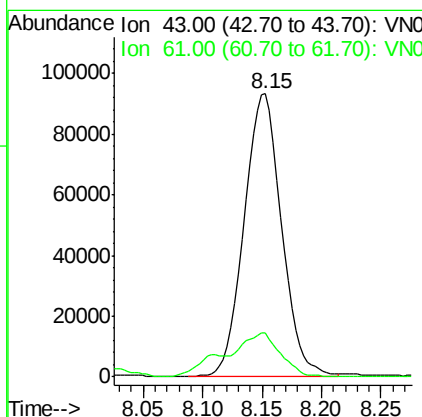
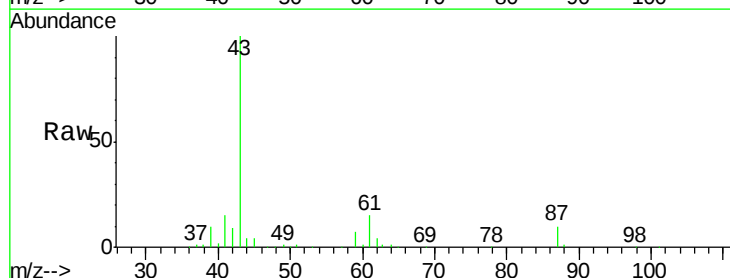
Manual Integrations
APPROVED

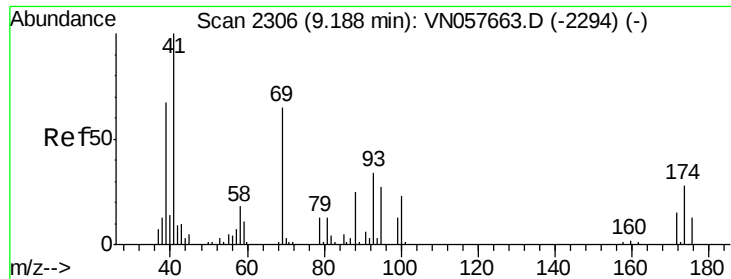
MMDadoda
9/6/2019 8:26:08 AM



#44
Isopropyl Acetate
Concen: 18.902 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion: 43 Resp: 202363
Ion Ratio Lower Upper
43 100
61 16.4 12.6 18.8





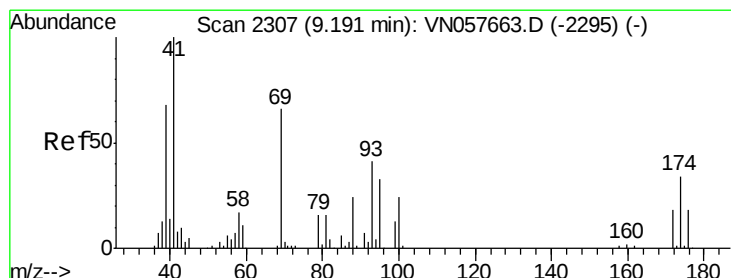
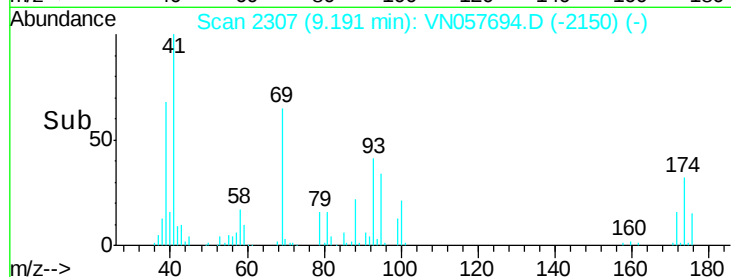
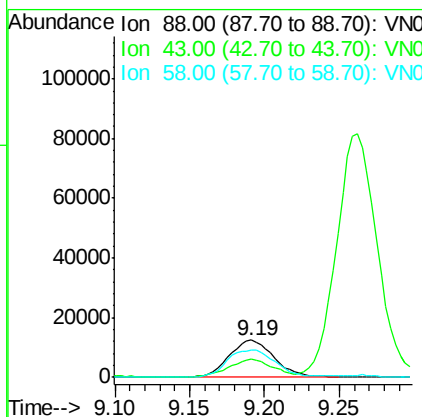
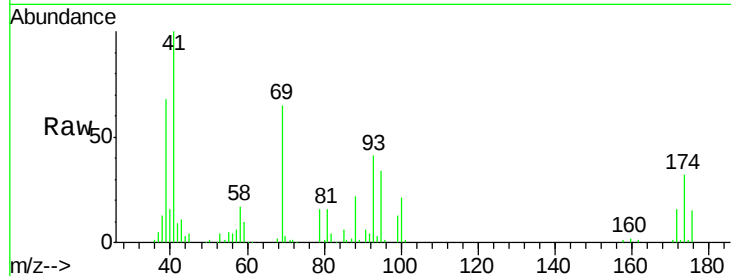
#45
 1,4-Dioxane
 Concen: 383.494 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26356		
43	44.9		31.0	46.4
58	79.0		58.2	87.2

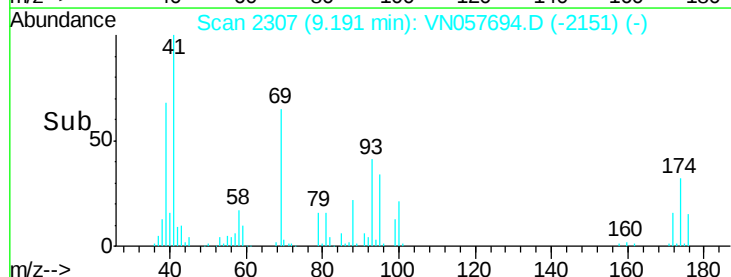
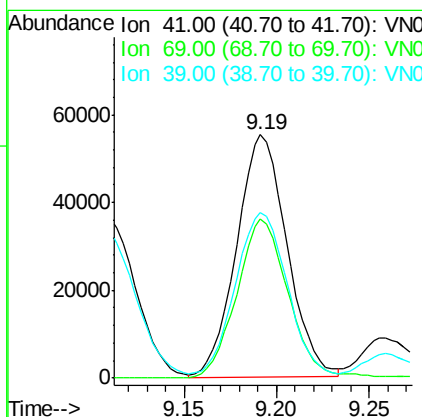
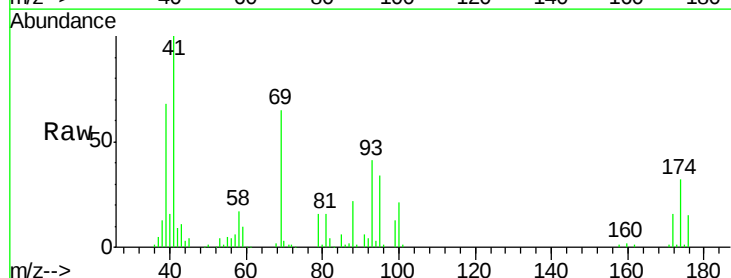
Manual Integrations
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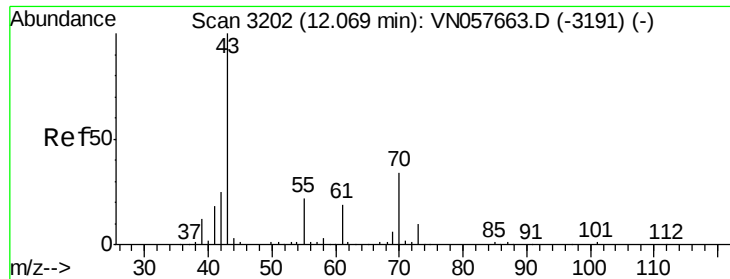
MMDadoda
 9/6/2019 8:26:08 AM



#46
 Methyl methacrylate
 Concen: 20.122 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	104529		
69	65.9		33.1	99.2
39	67.2		34.0	102.0





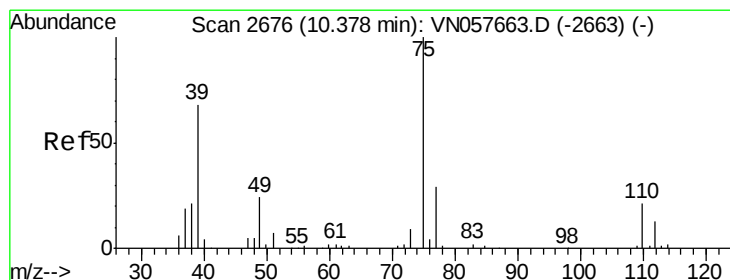
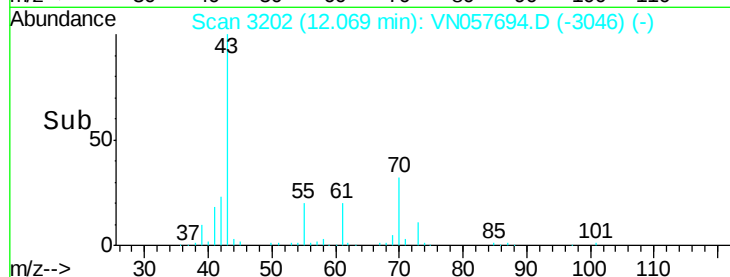
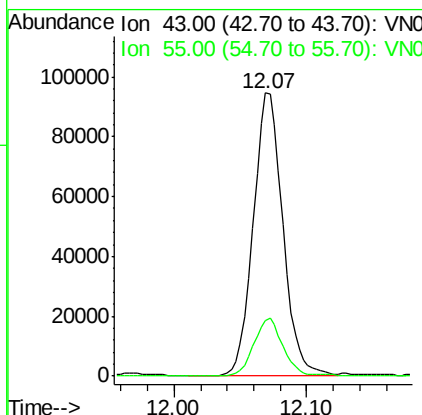
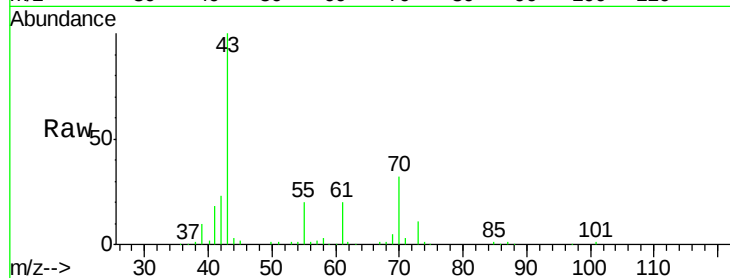
#47
n-amvl Acetate
Concen: 17.599 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	55	Ratio	100	20.1	Resp	146124	Lower	Upper
43	100								
55		20.1						17.5	26.3

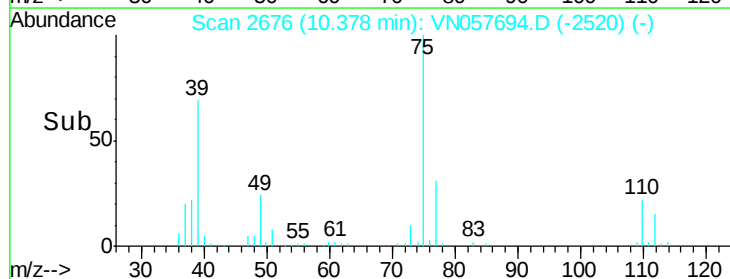
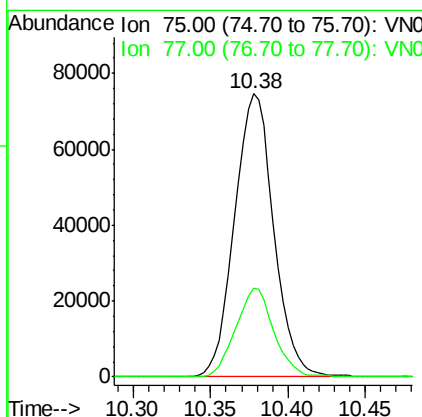
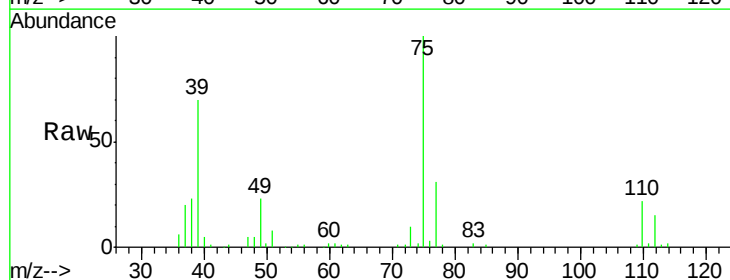
Manual Integrations
APPROVED

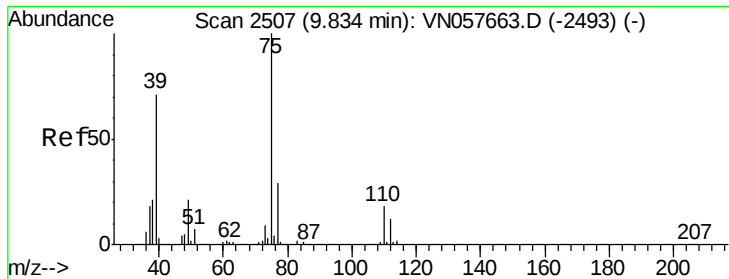
MMDadoda
9/6/2019 8:26:08 AM



#48
t-1,3-Dichloropropene
Concen: 19.303 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	75	77	Ratio	100	31.2	Resp	131183	Lower	Upper
75	100								
77		31.2						23.1	34.7





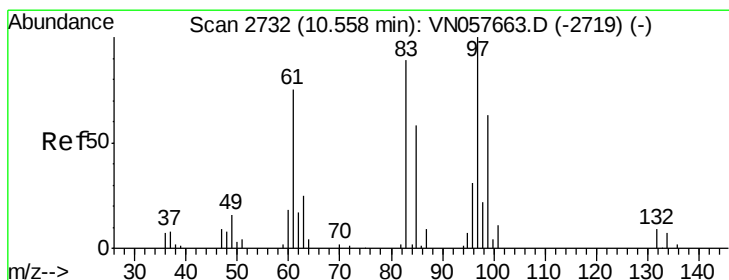
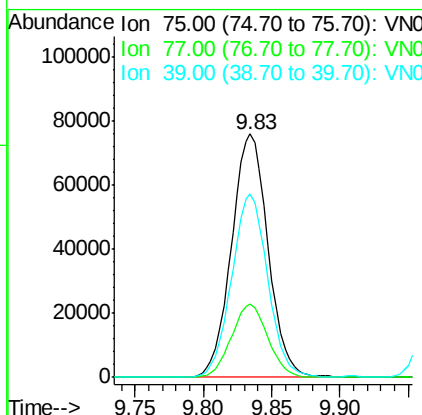
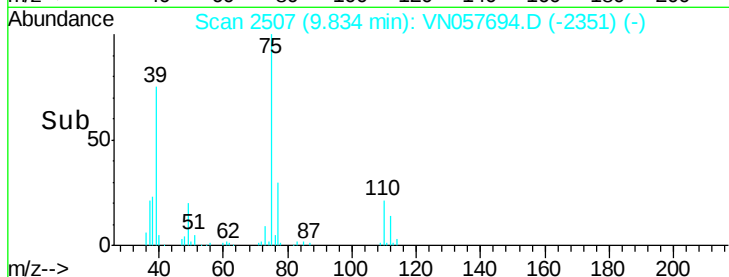
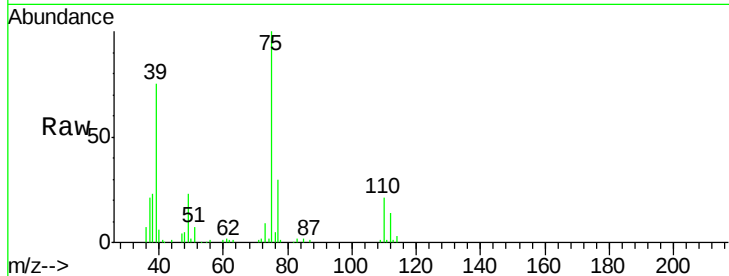
#49
 cis-1,3-Dichloropropene
 Concen: 19.455 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	23.4	35.2
39	75.0	56.6	85.0

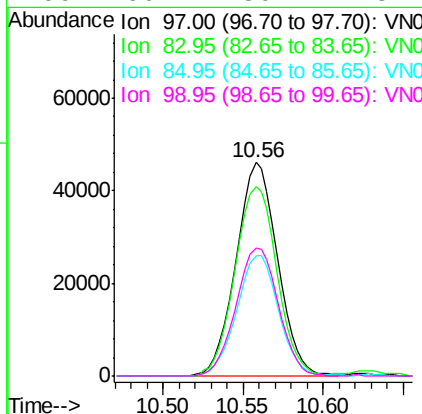
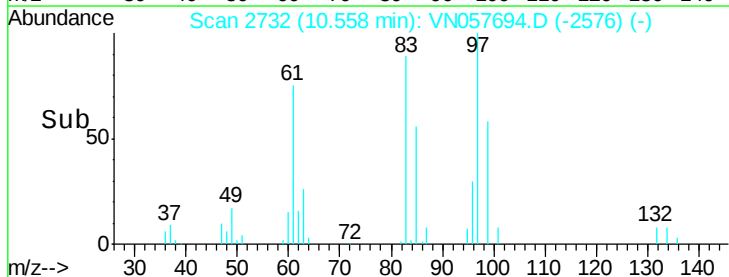
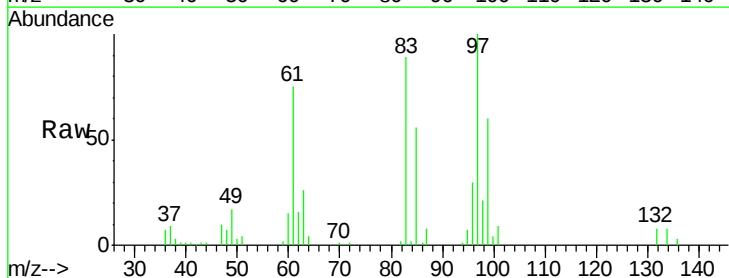
Manual Integrations
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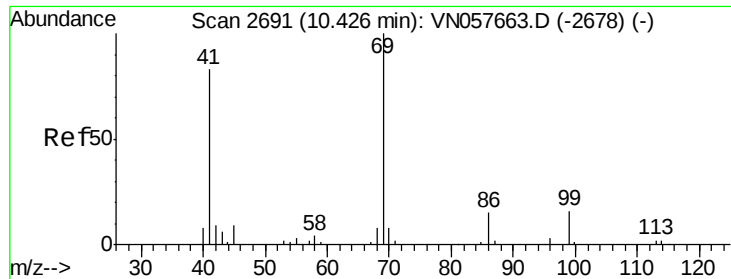
MMDadoda
 9/6/2019 8:26:08 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.146 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.4	107.2
85	56.4	46.0	69.0
99	60.1	50.2	75.2





#51

Ethyl methacrylate

Concen: 18.918 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

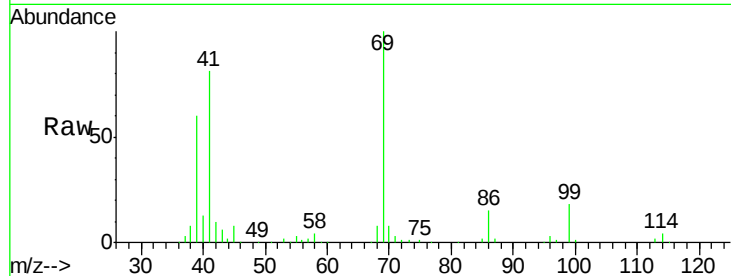
ClientSampleID :

VSTDCCC020

Tot Ion:	69	Resp:	124679
Ion Ratio	Lower	Upper	
69	100		
41	81.0	41.5	124.5
39	60.3	29.6	88.9

Manual Integrations
APPROVED

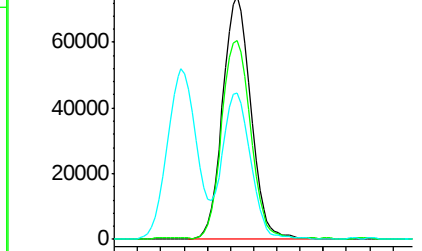
MMDadoda
9/6/2019 8:26:08 AM



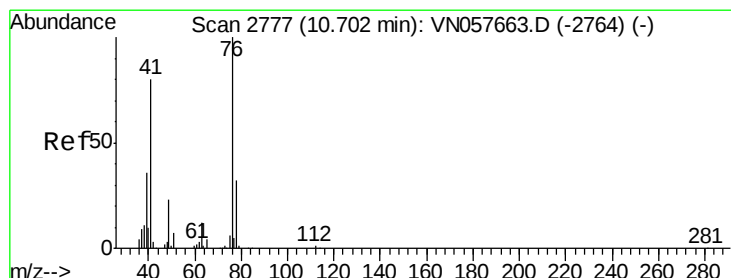
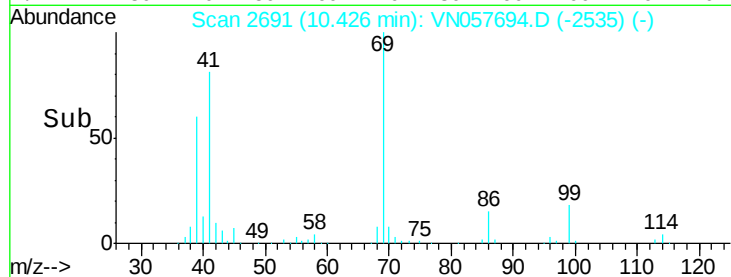
Abundance Ion 69.00 (68.70 to 69.70): VN057663.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN057663.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN057663.D (-2678) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 19.887 ug/l

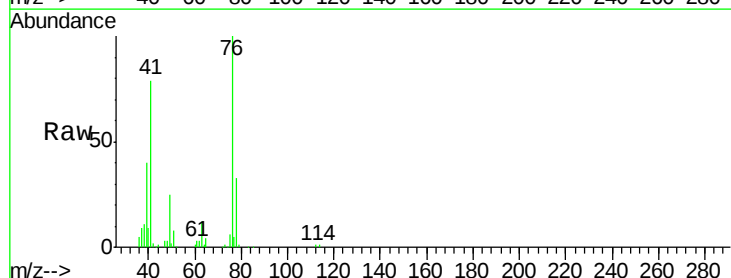
RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057694.D

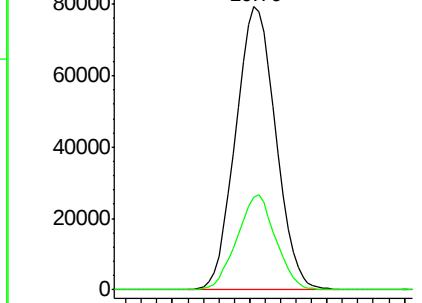
Acq: 5 Sep 2019 10:22

Tgt Ion:	76	Resp:	143103
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	63.8

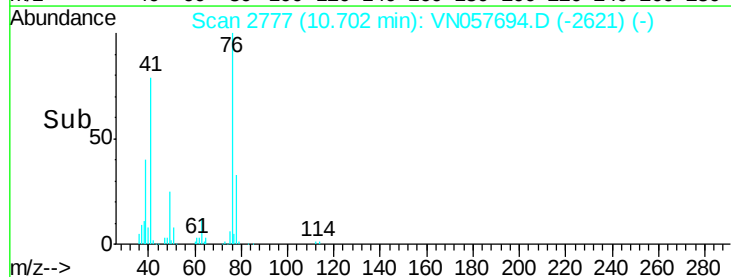


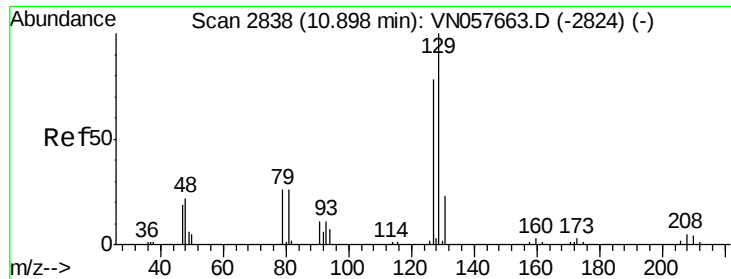
Abundance Ion 76.00 (75.70 to 76.70): VN057663.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN057663.D (-2764) (-)



Time-->





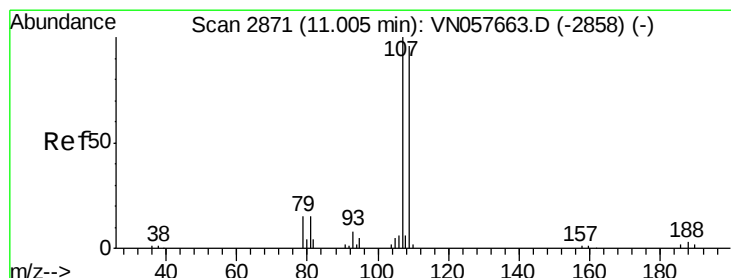
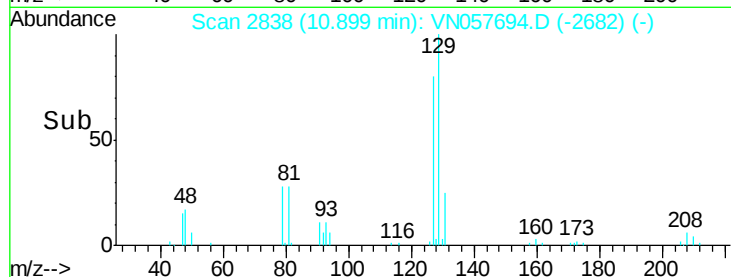
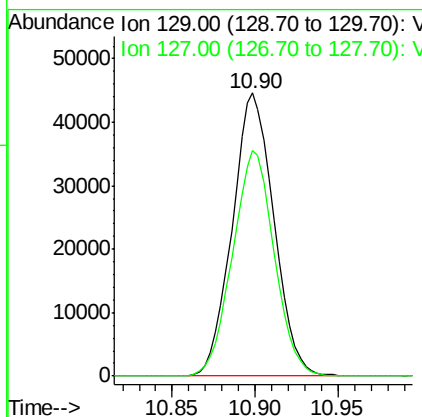
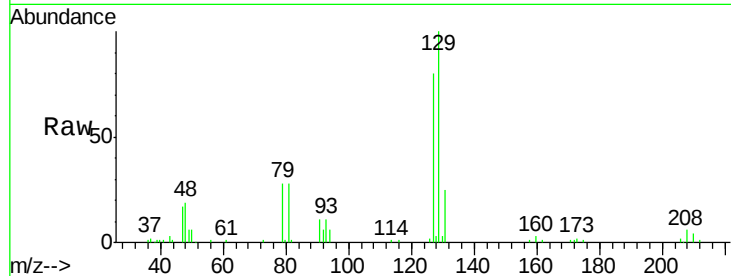
#53
 Dibromochloromethane
 Concen: 18.467 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 77920
 Ion Ratio Lower Upper
 129 100
 127 79.5 39.1 117.3

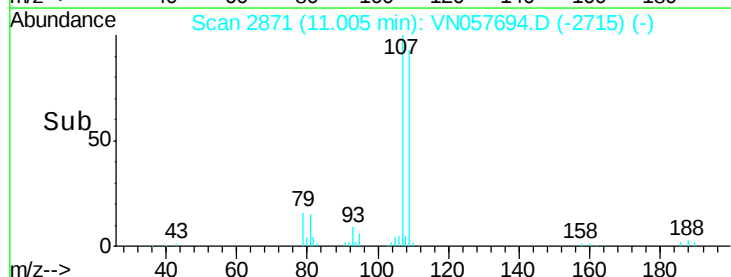
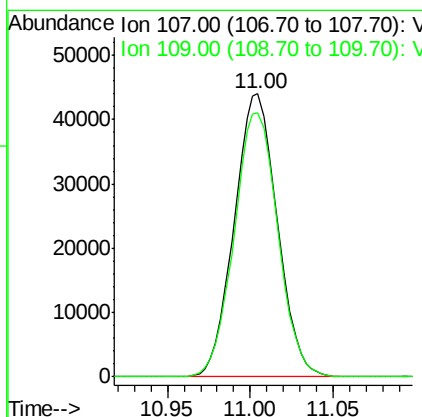
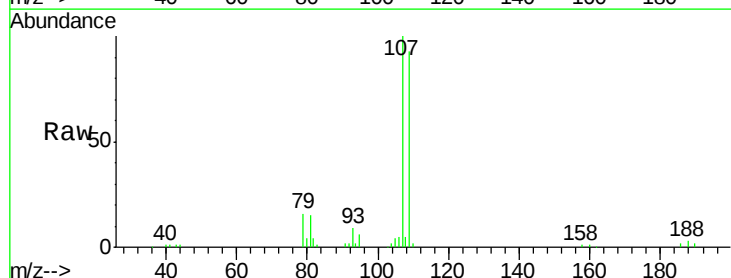
Manual Integrations
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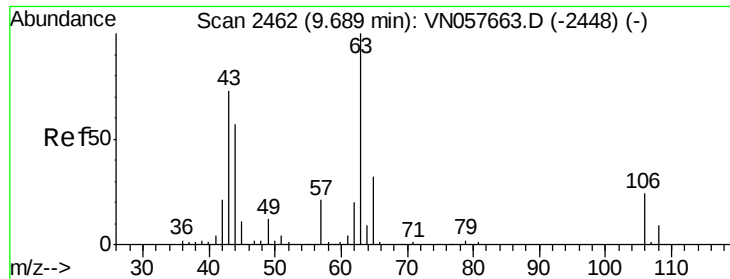
MMDadoda
 9/6/2019 8:26:08 AM



#54
 1,2-Dibromoethane
 Concen: 19.655 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion:107 Resp: 79432
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.2 114.4





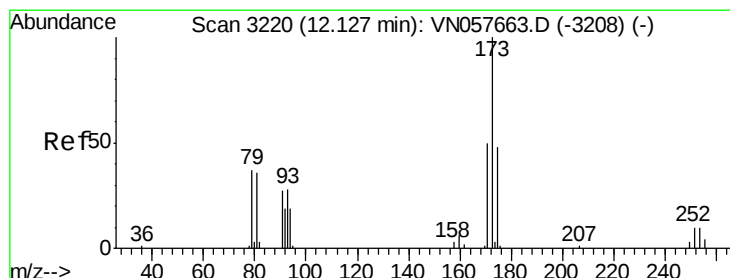
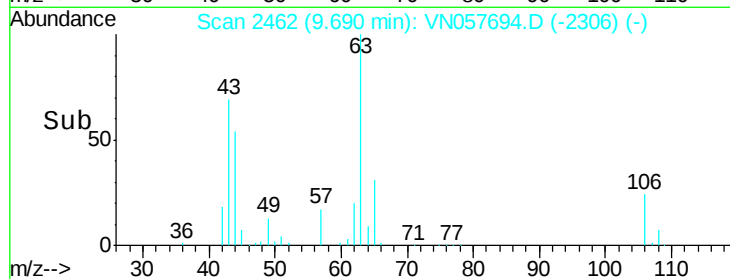
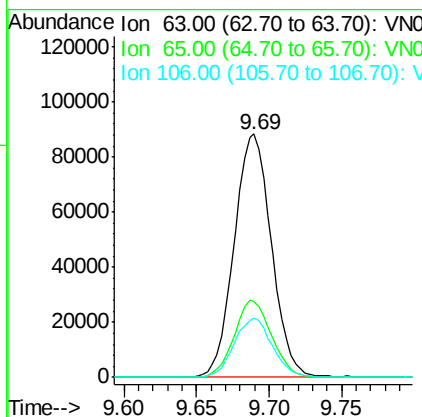
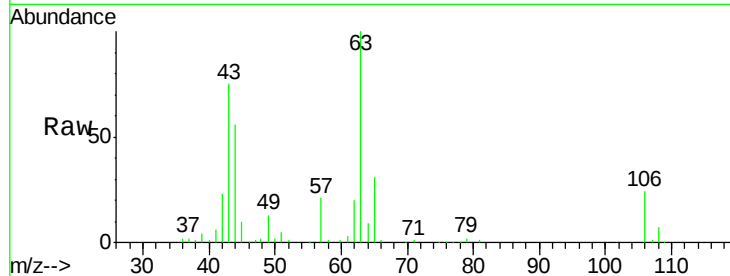
#55
2-Chloroethyl vinyl ether
Concen: 75.491 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.6	38.4
106	24.9	19.5	29.3

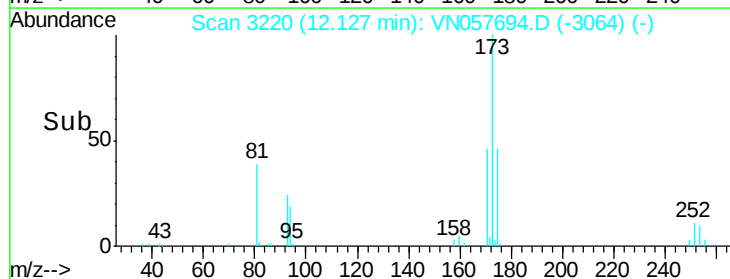
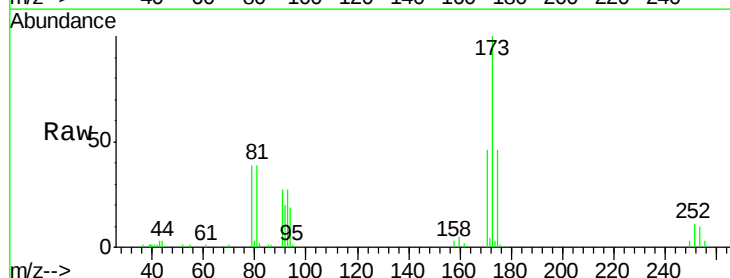
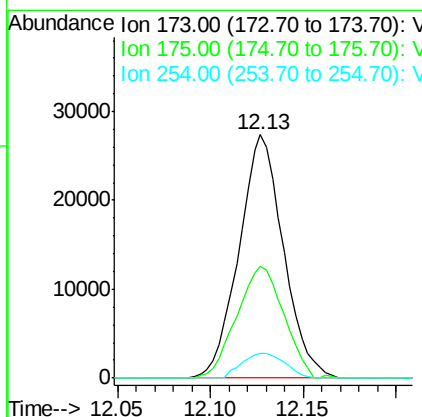
Manual Integrations
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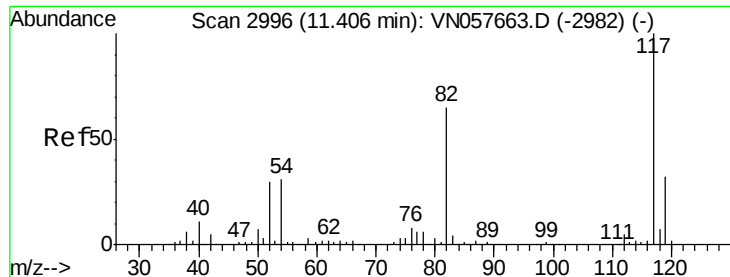
MMDadoda
9/6/2019 8:26:08 AM



#56
Bromoform
Concen: 17.421 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
254	9.9	7.2	10.8





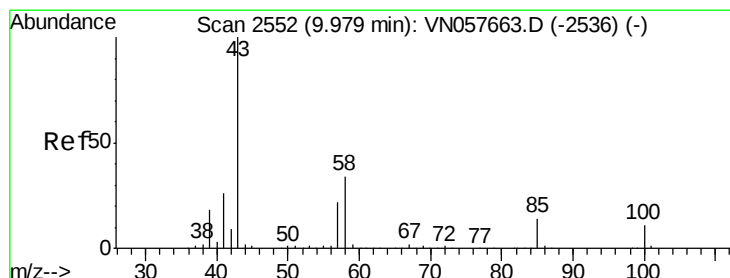
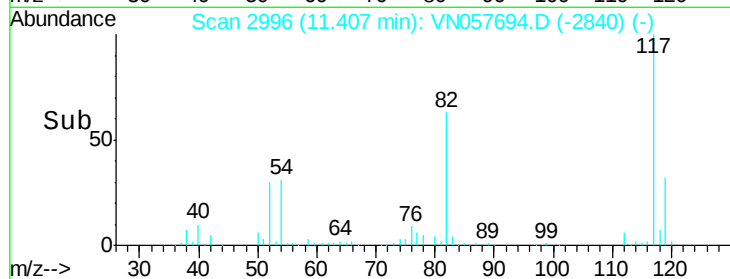
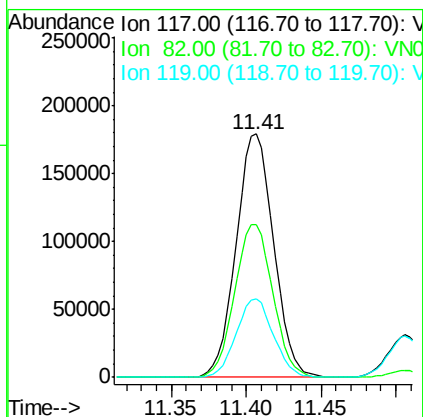
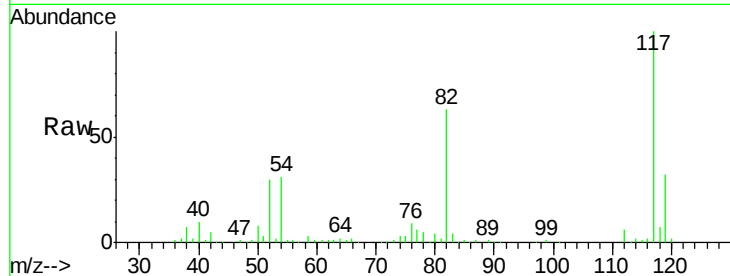
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.7	51.2	76.8
119	32.0	25.8	38.6

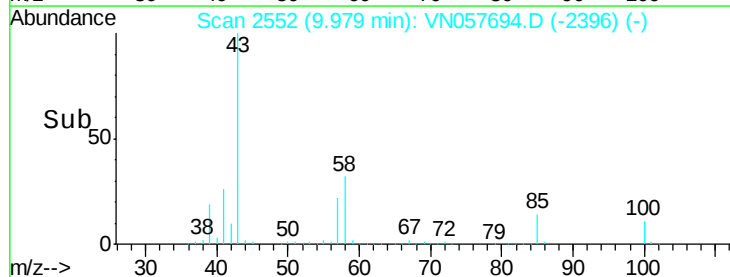
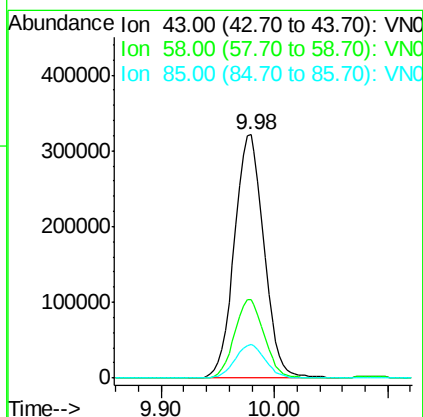
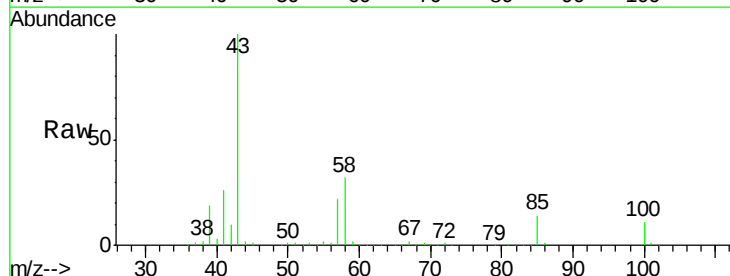
Manual Integrations
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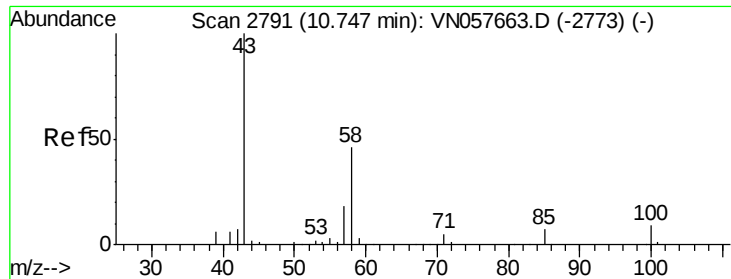
MMDadoda
9/6/2019 8:26:08 AM



#58
4-Methyl-2-Pentanone
Concen: 105.685 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.7	40.1
85	14.2	11.2	16.8





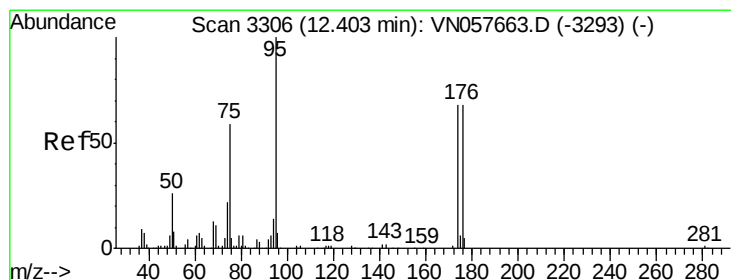
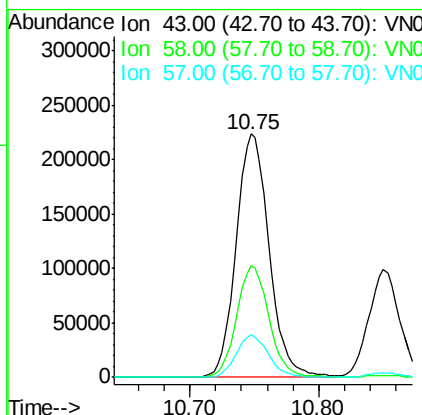
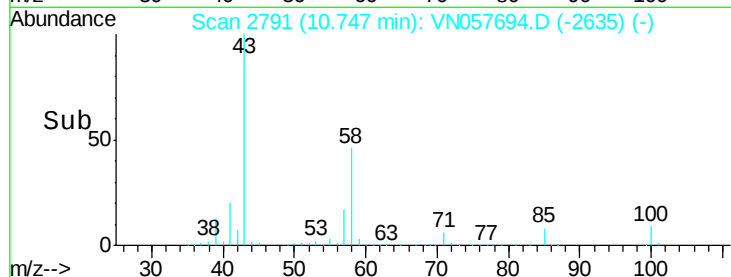
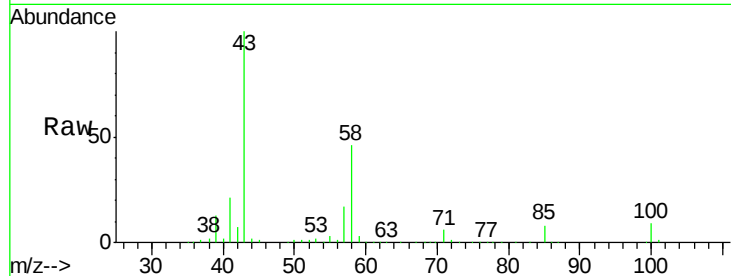
#59
2-Hexanone
Concen: 101.434 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.0	36.1	54.1
57	17.0	14.1	21.1

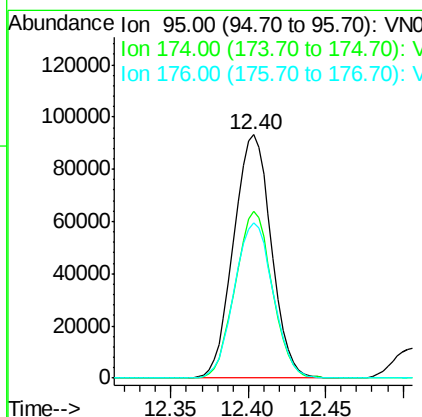
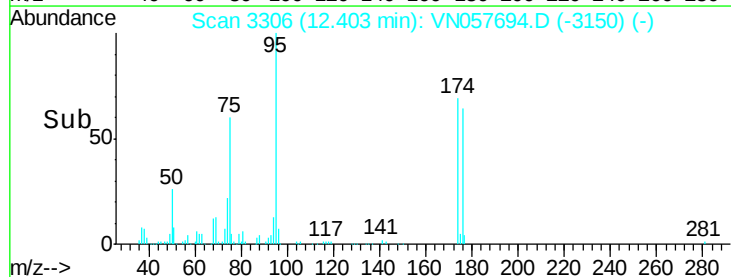
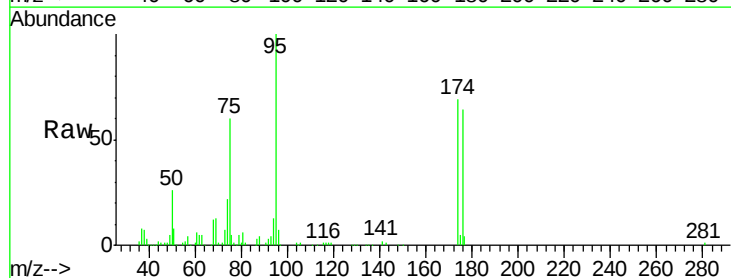
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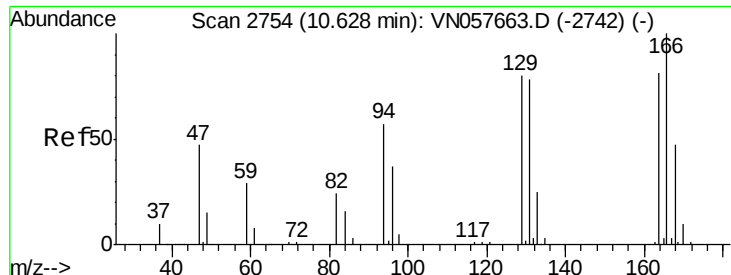
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#60
4-Bromofluorobenzene
Concen: 29.405 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.5	55.0	82.6
176	65.5	53.7	80.5





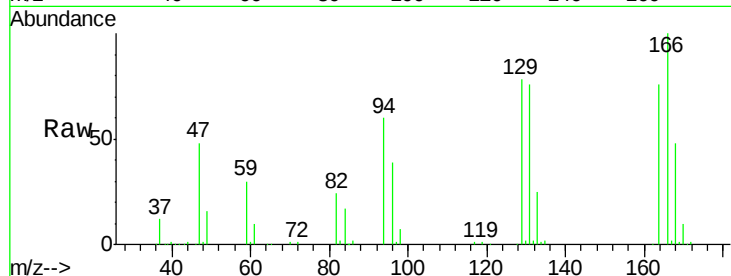
#61
Tetrachloroethene
Concen: 21.150 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

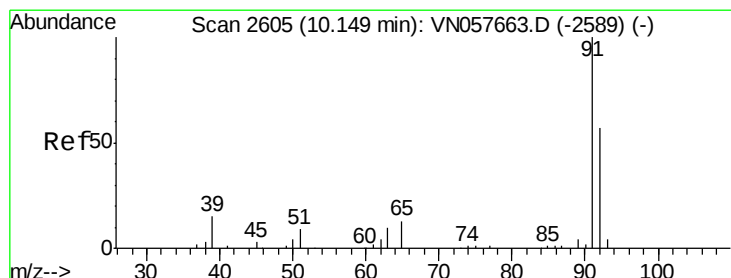
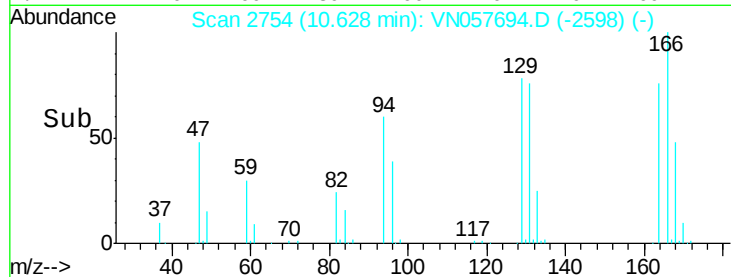
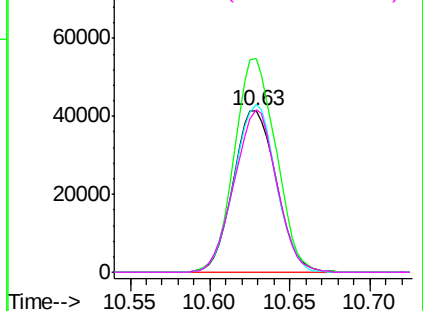
Tot Ion	Ratio	Lower	Upper
164	100		
166	132.1	99.4	149.2
129	103.8	78.8	118.2
131	101.0	78.2	117.2

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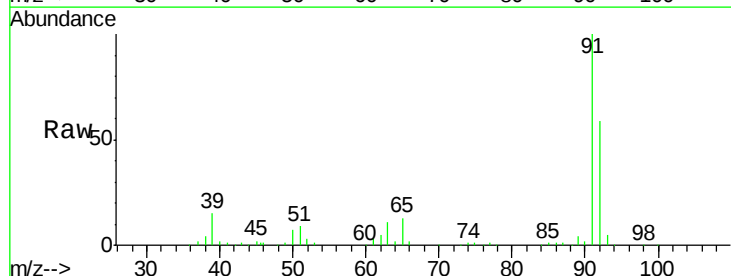


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

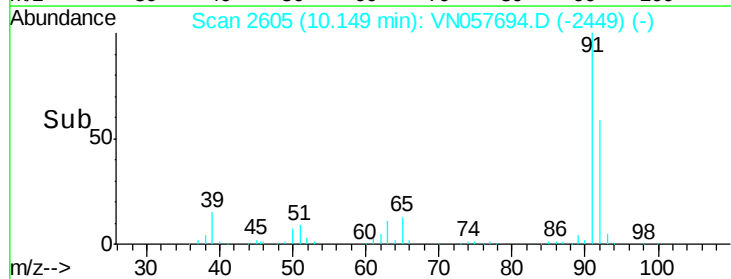
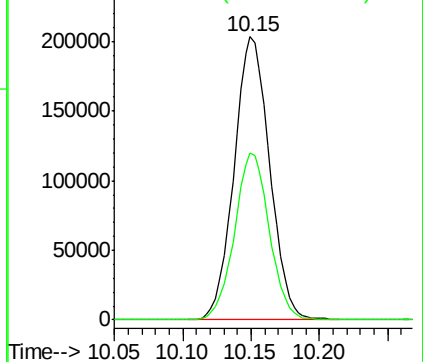


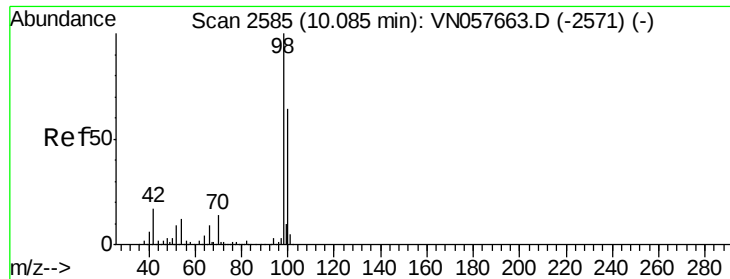
#62
Toluene
Concen: 20.877 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	46.1	69.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





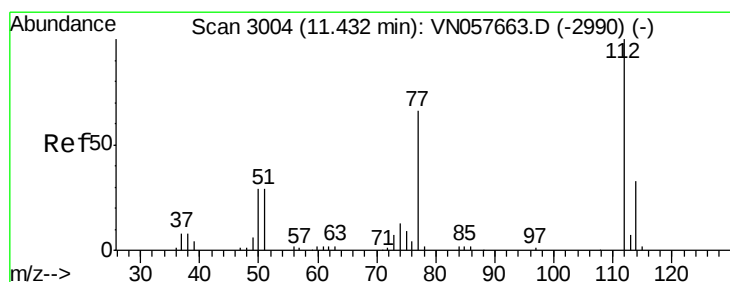
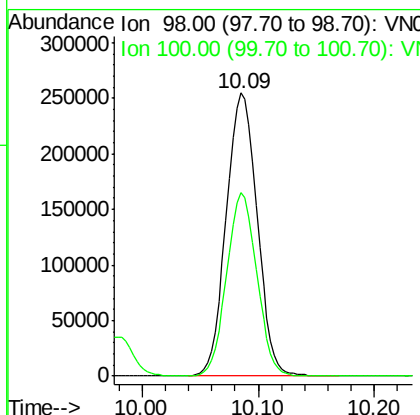
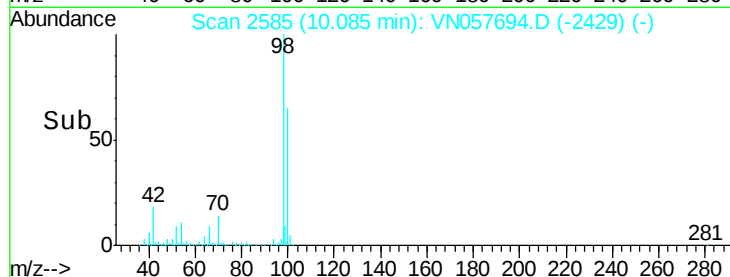
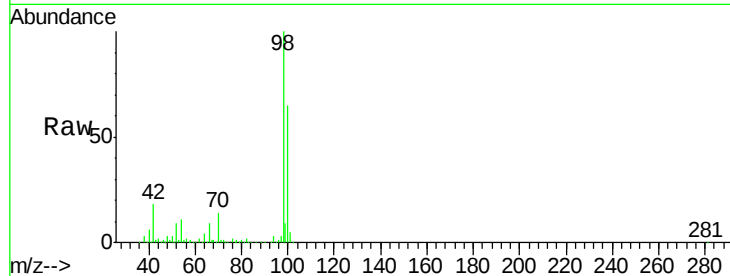
#63
Toluene-d8
Concen: 31.116 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 470239
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6

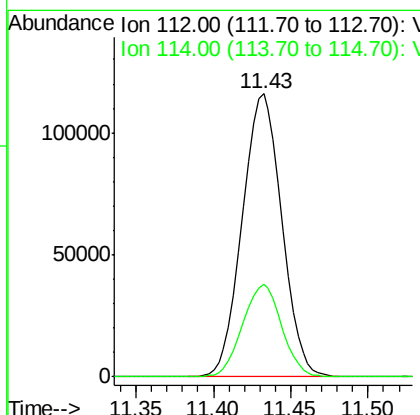
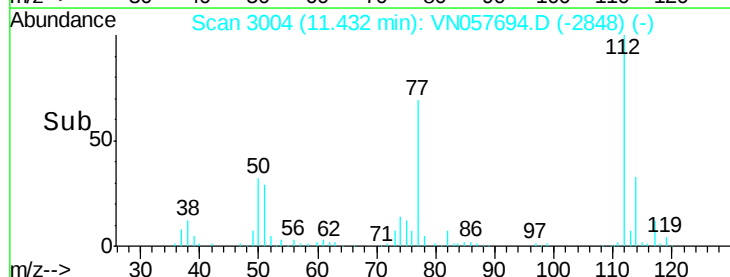
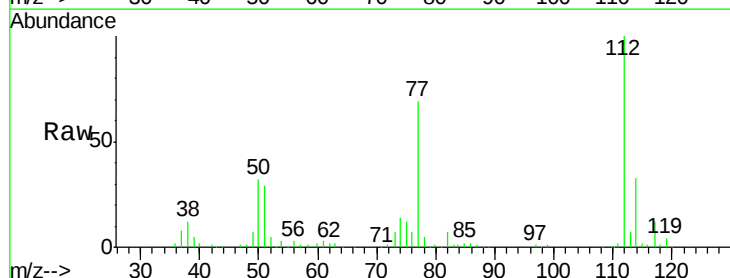
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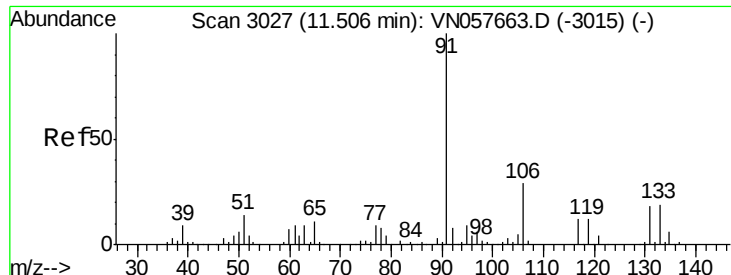
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#64
Chlorobenzene
Concen: 19.968 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion: 112 Resp: 206603
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.489 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:131 Resp: 77665

Ion Ratio Lower Upper

131 100

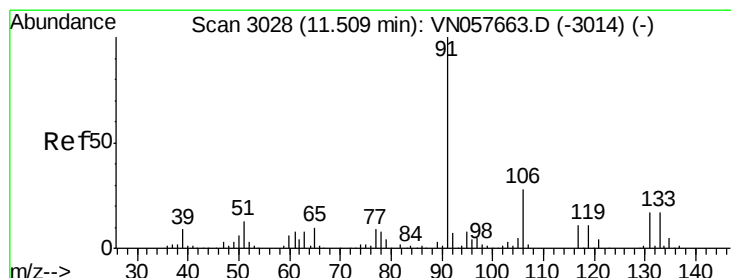
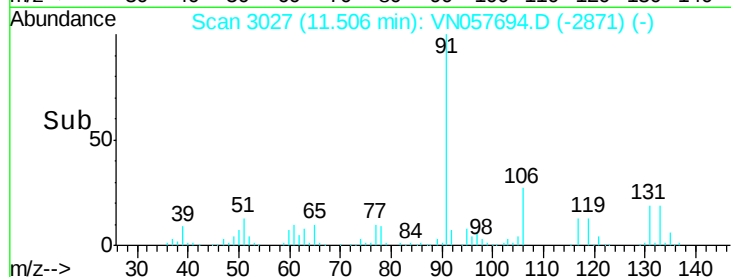
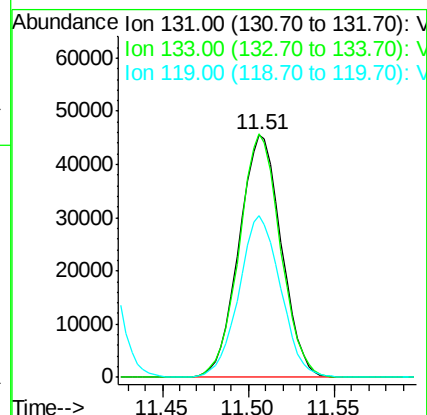
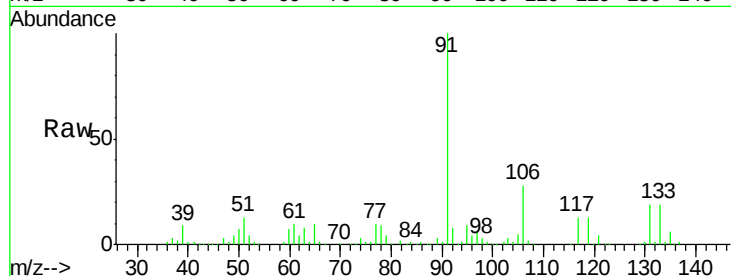
133 98.0 0.0 198.0

119 65.7 0.0 129.8

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#66

Ethyl Benzene

Concen: 21.109 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057694.D

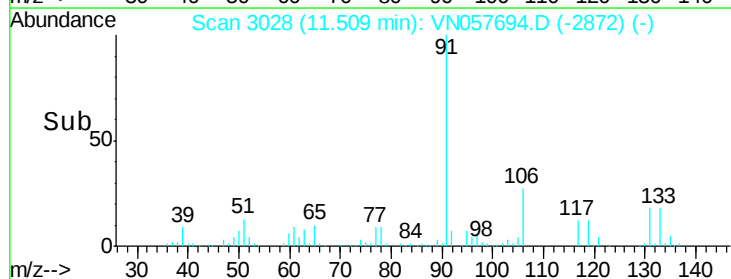
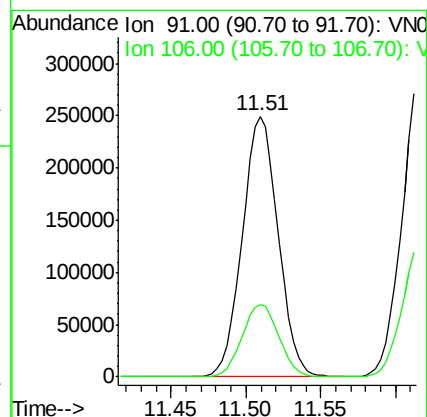
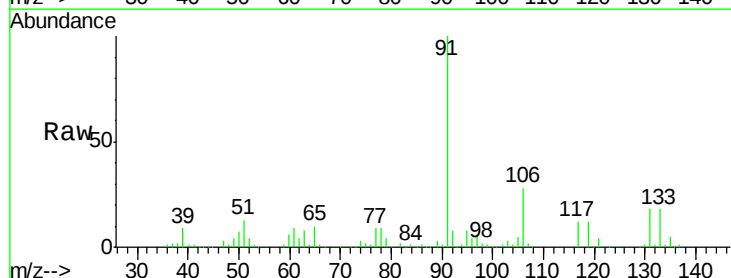
Acq: 5 Sep 2019 10:22

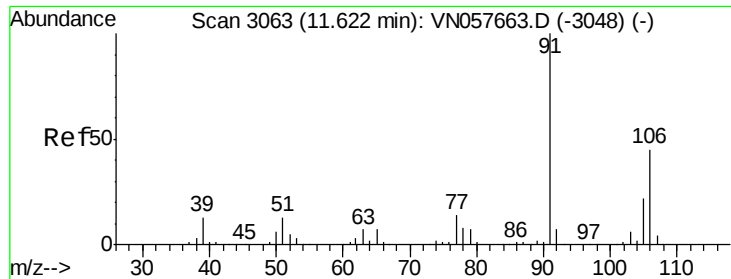
Tgt Ion: 91 Resp: 415777

Ion Ratio Lower Upper

91 100

106 27.8 22.7 34.1





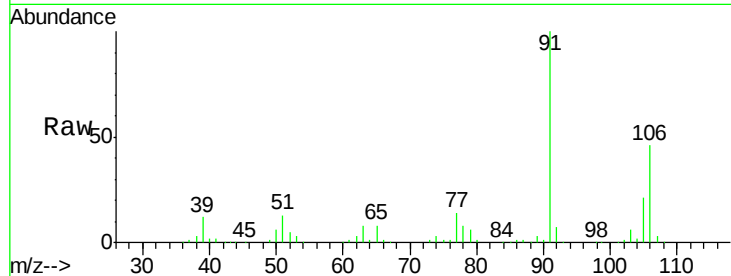
#67
m/p-Xvlenes
Concen: 40.813 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

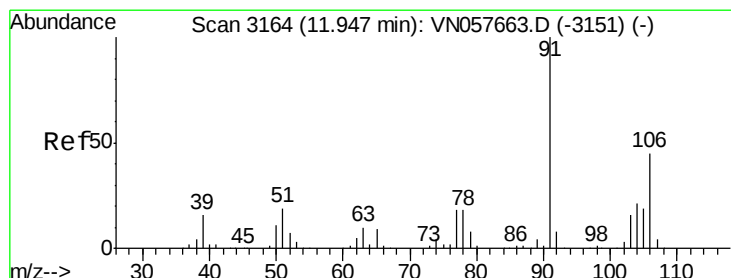
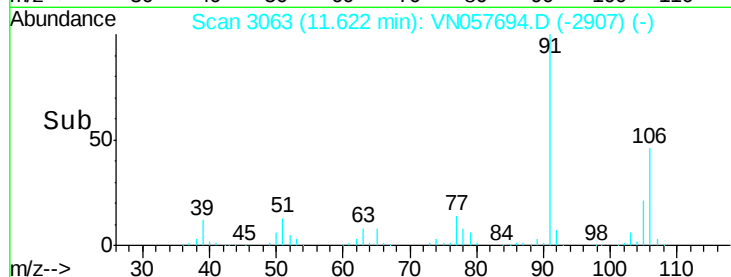
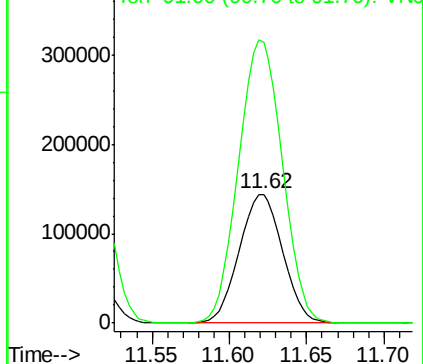
Tot Ion:106 Resp: 281935
Ion Ratio Lower Upper
106 100
91 221.1 178.9 268.3

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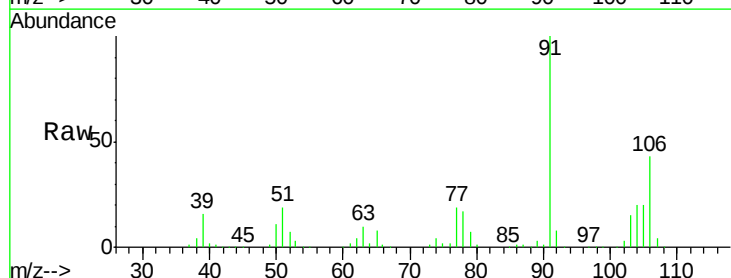


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

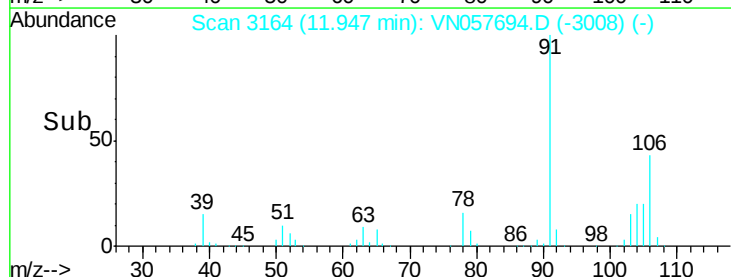
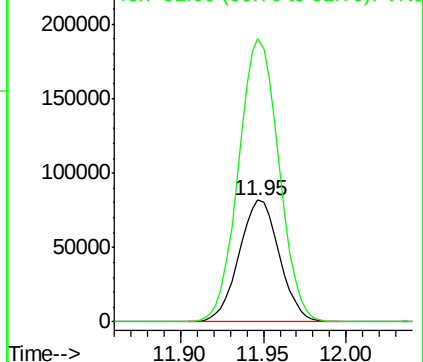


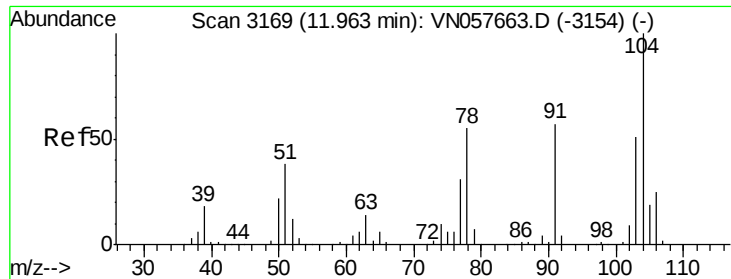
#68
o-Xylene
Concen: 20.127 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion:106 Resp: 138441
Ion Ratio Lower Upper
106 100
91 232.8 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





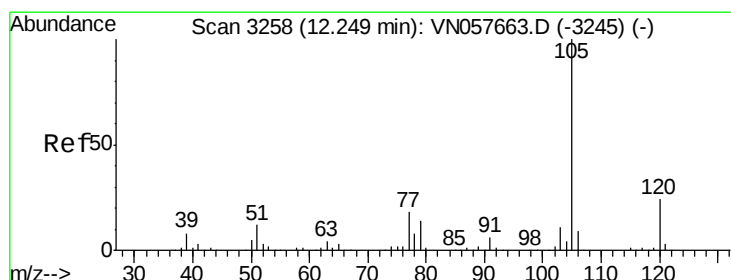
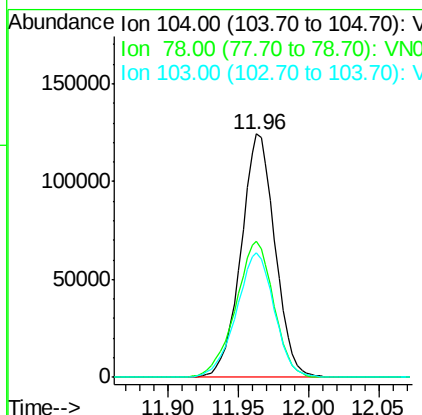
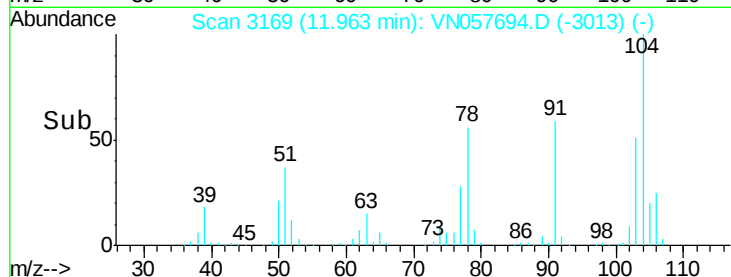
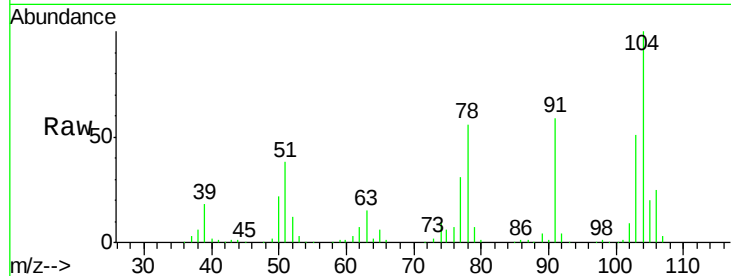
#69
Stvrene
Concen: 19.077 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	62.4	49.0	73.6
103	56.7	44.9	67.3

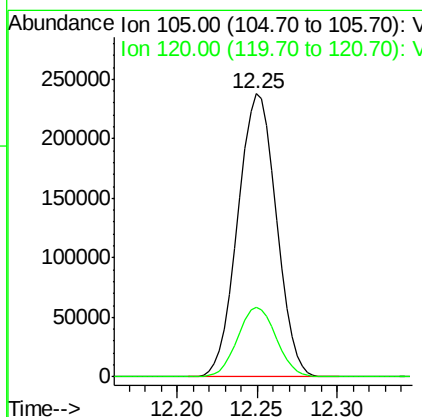
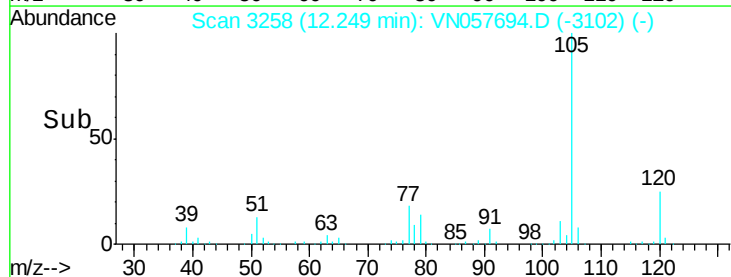
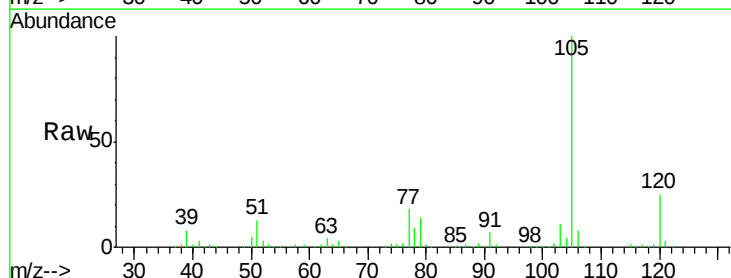
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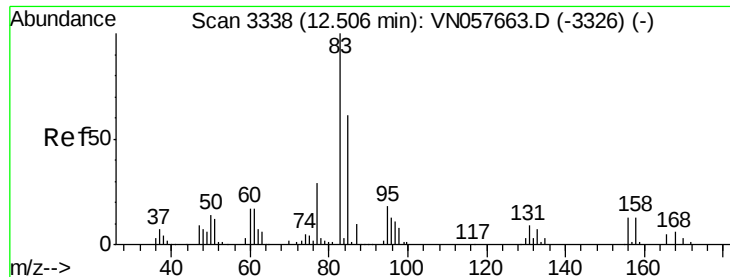
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#70
Isopropylbenzene
Concen: 20.738 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	17.2	32.0





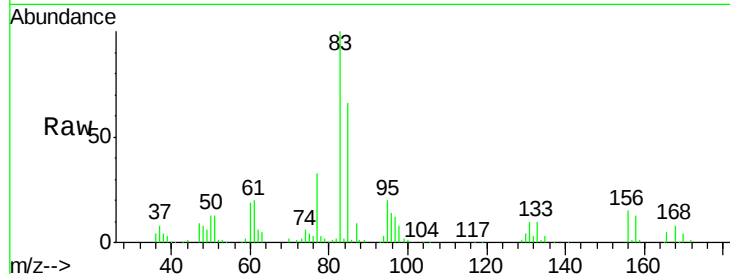
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.359 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

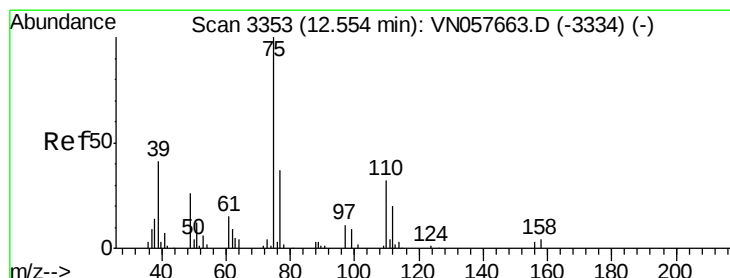
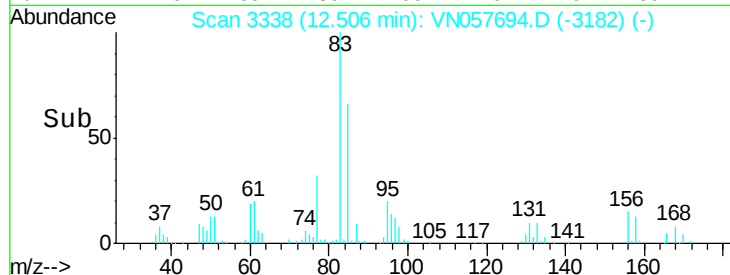
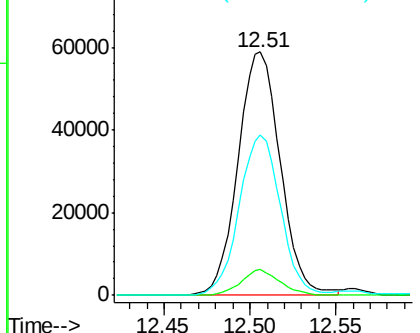
Tot Ion	83	Resp	101063
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	64.1	31.7	95.1

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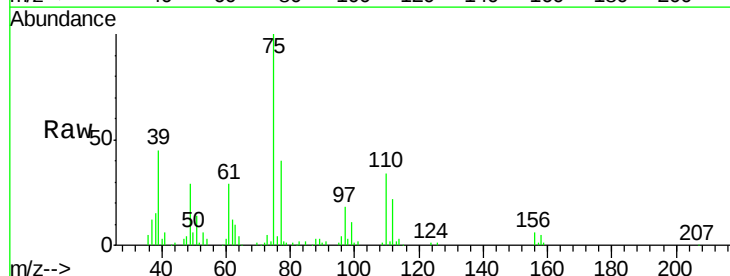


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

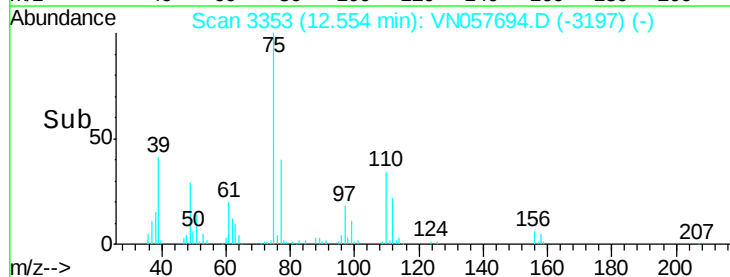
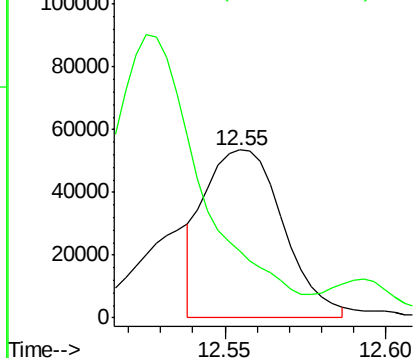


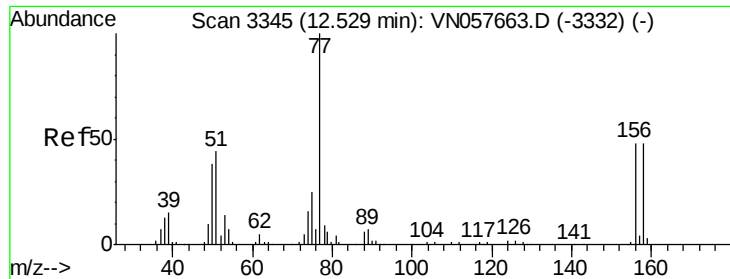
#72
 1,2,3-Trichloropropane
 Concen: 19.501 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion	75	Resp	91042
Ion Ratio	Lower	Upper	
75	100		
77	203.2	0.0	405.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





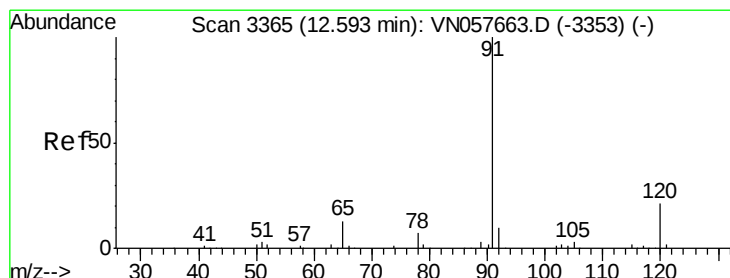
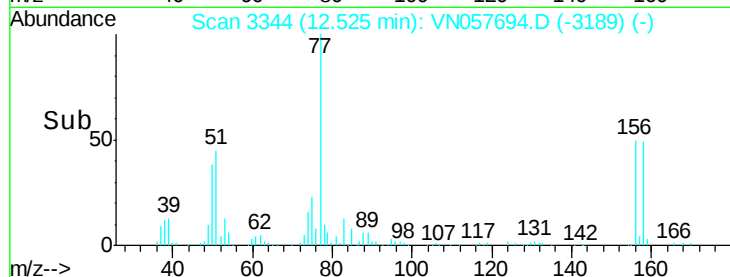
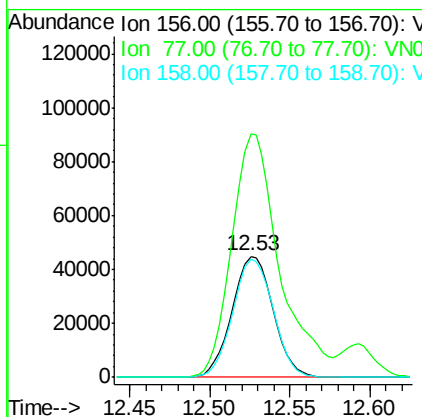
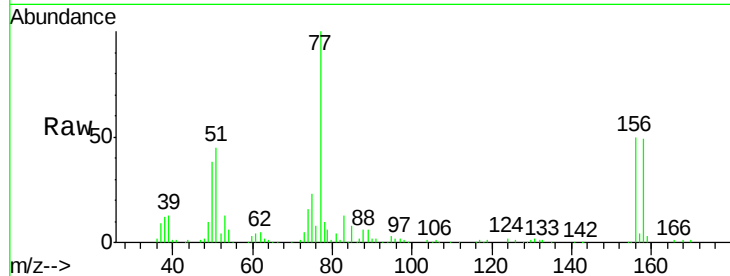
#73
Bromobenzene
Concen: 19.587 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		78313		
77	236.3	0.0	495.6		
158	96.1	0.0	197.8		

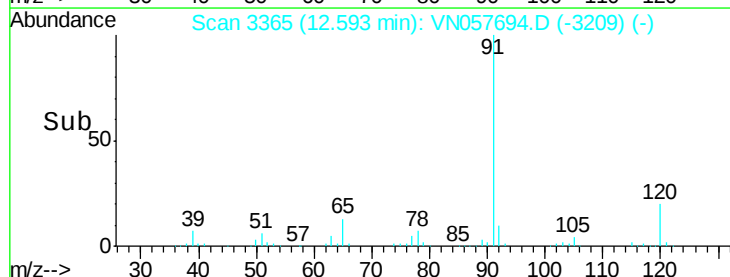
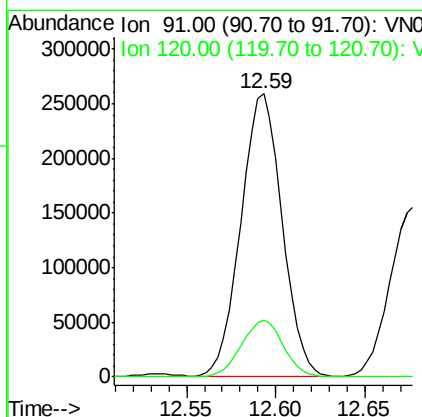
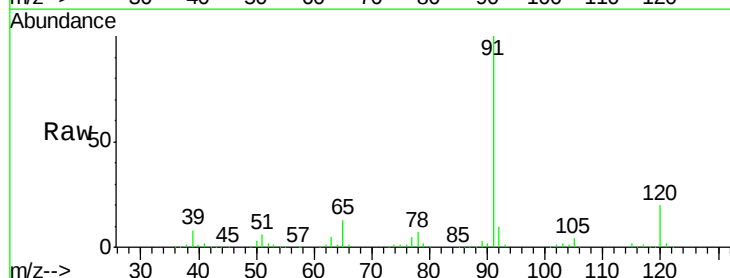
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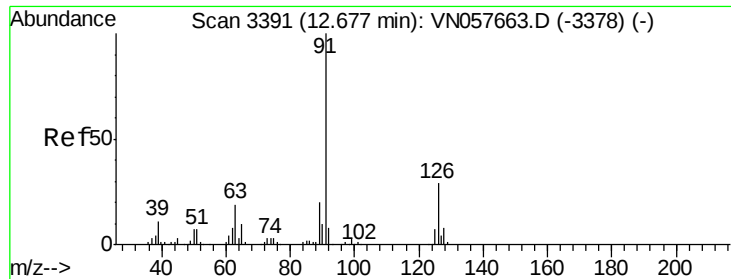
MMDadoda
9/6/2019 8:26:08 AM



#74
n-propylbenzene
Concen: 20.052 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		418786		
120	20.4	0.0	40.4		





#75

2-Chlorotoluene

Concen: 19.984 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057694.D

Acq: 5 Sep 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 261298

Ion Ratio Lower Upper

91 100

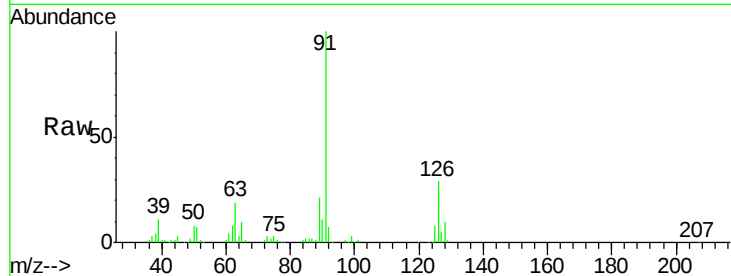
126 28.9 0.0 59.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3378) (-)

250000

200000

150000

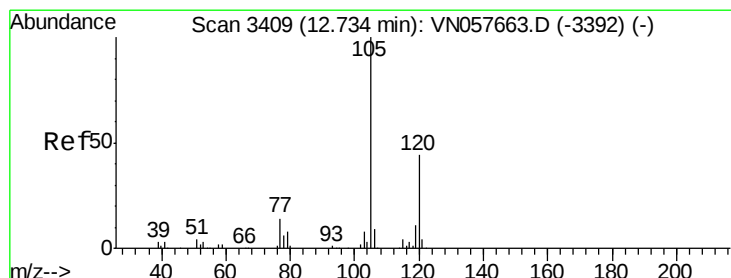
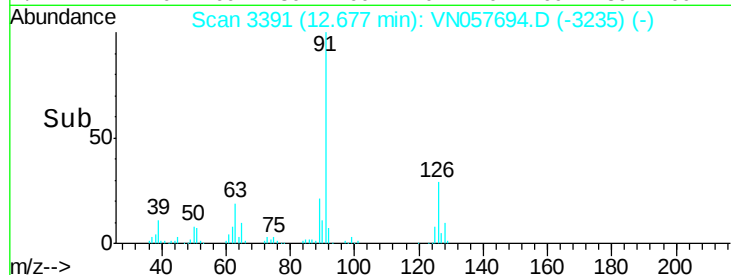
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.525 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057694.D

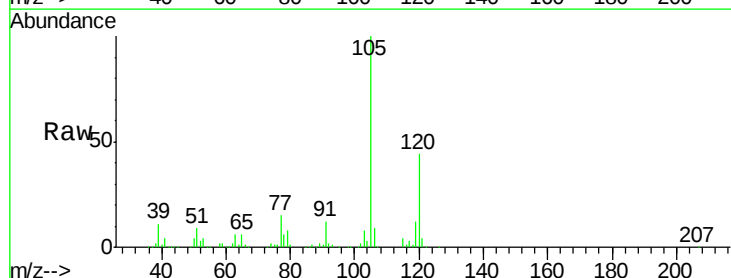
Acq: 5 Sep 2019 10:22

Tgt Ion: 105 Resp: 321480

Ion Ratio Lower Upper

105 100

120 44.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057663.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057663.D (-3392) (-)

200000

150000

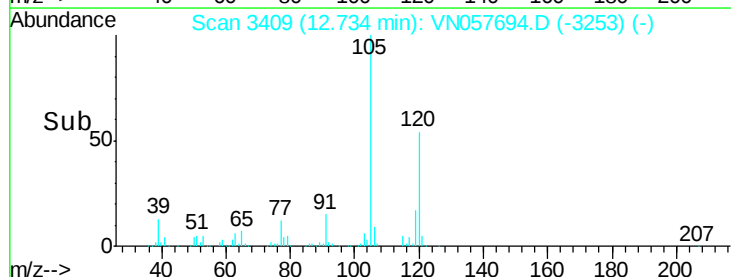
100000

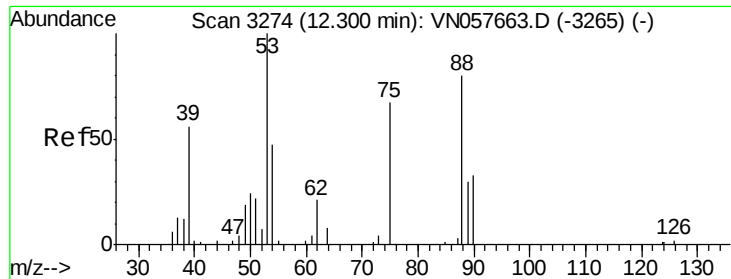
50000

0

12.65 12.70 12.75 12.80

Time-->





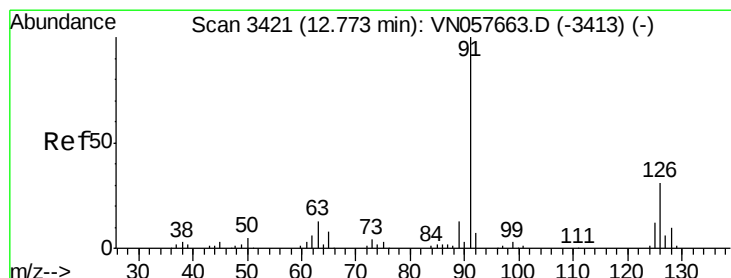
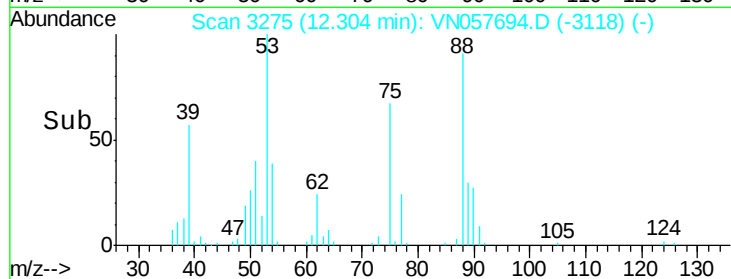
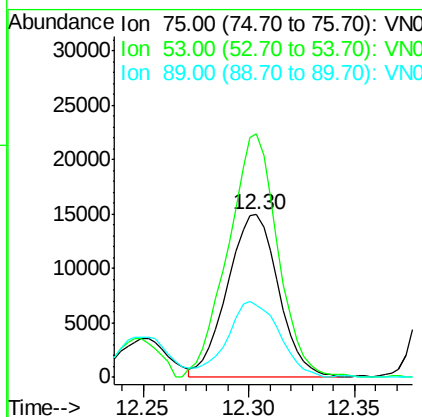
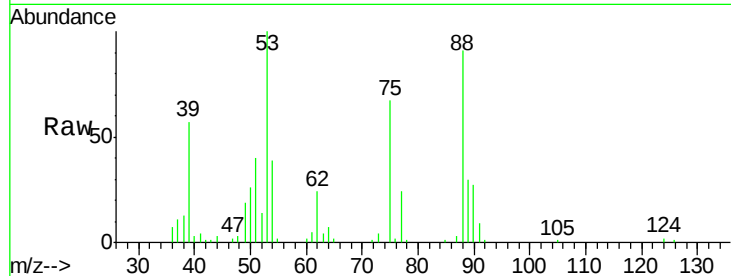
#77
t-1,4-Dichloro-2-butene
Concen: 17.692 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	148.1	74.2	222.6
89	43.4	23.3	69.9

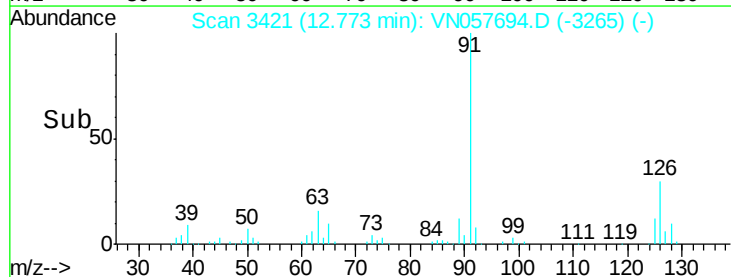
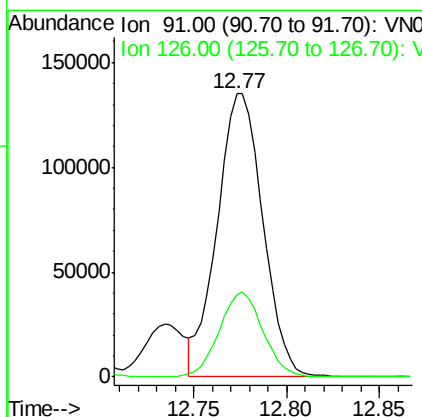
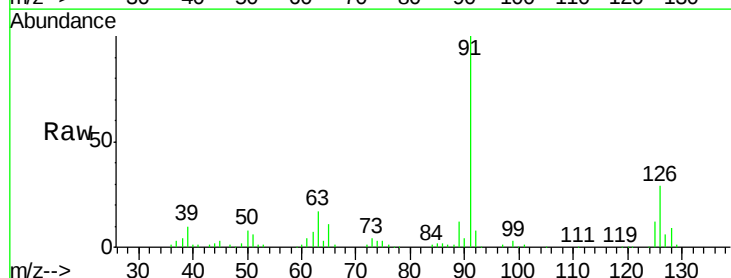
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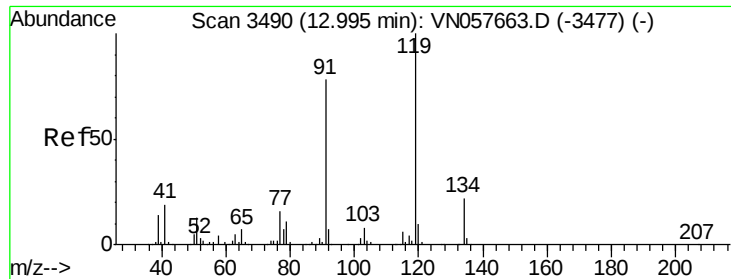
MMDadoda
9/6/2019 8:26:08 AM



#78
4-Chlorotoluene
Concen: 18.429 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	0.0	57.8





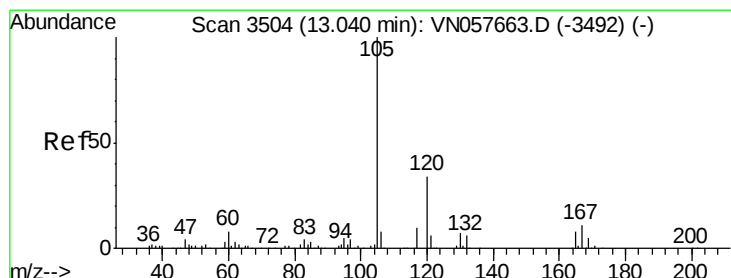
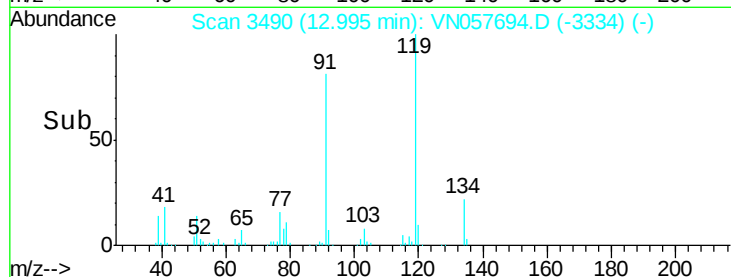
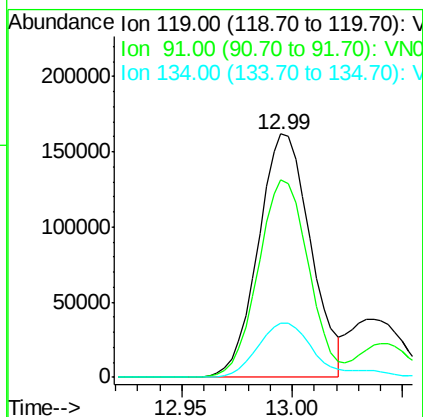
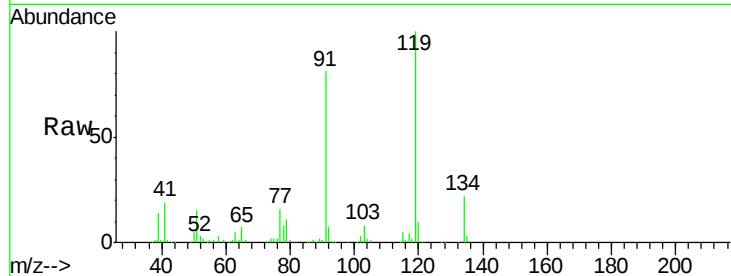
#79
tert-butylbenzene
Concen: 19.733 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265448		
91	78.5	0.0	155.6	
134	22.9	0.0	48.2	

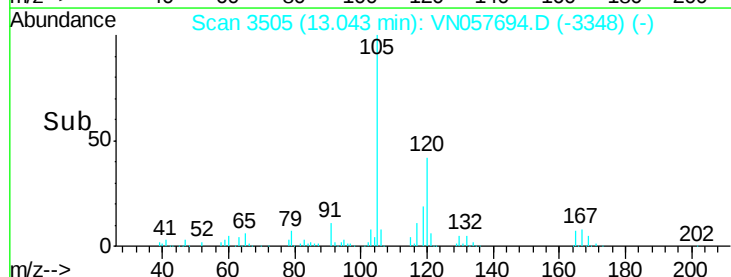
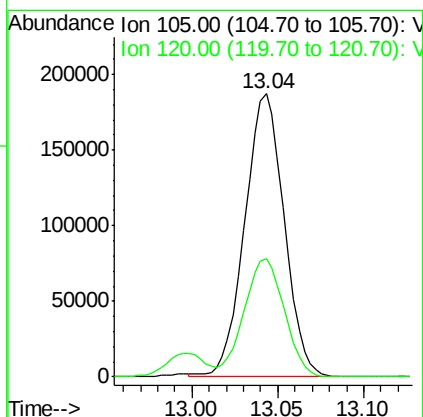
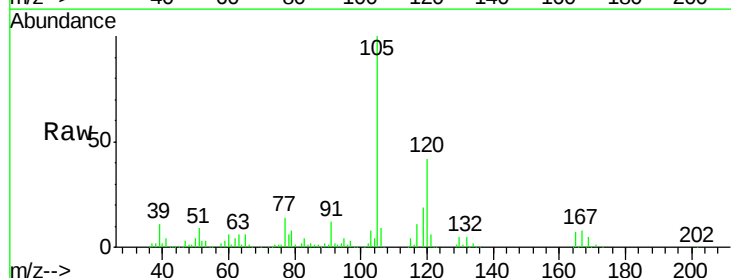
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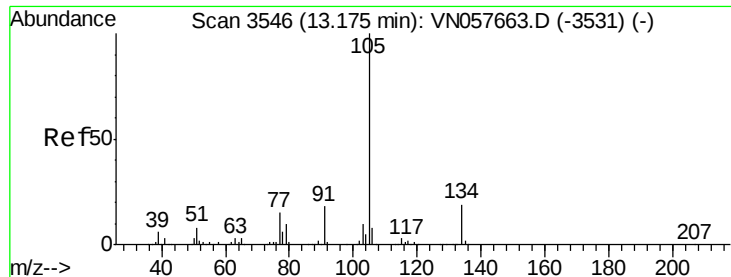
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.260 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	298155		
120	42.6	0.0	83.4	





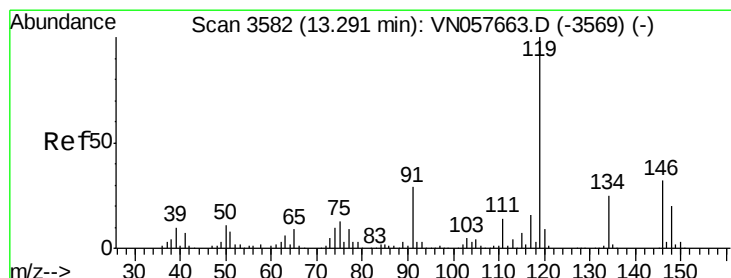
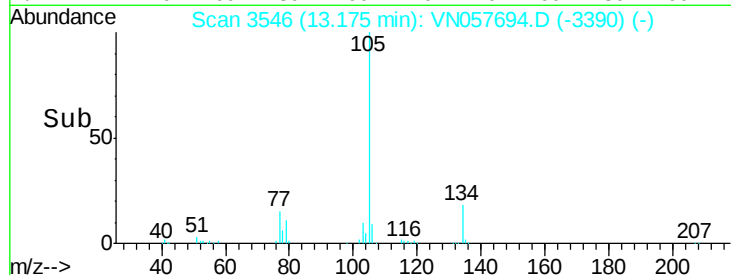
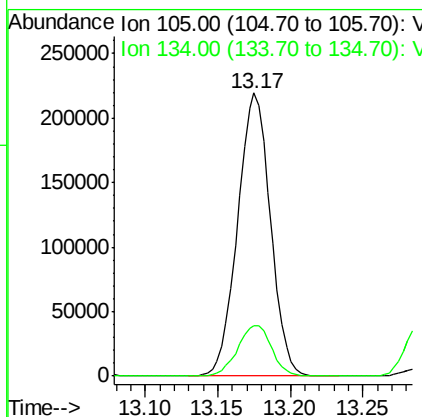
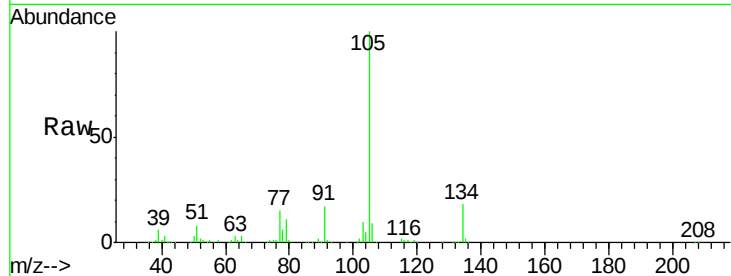
#81
 sec-Butylbenzene
 Concen: 19.917 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	0.0	36.2

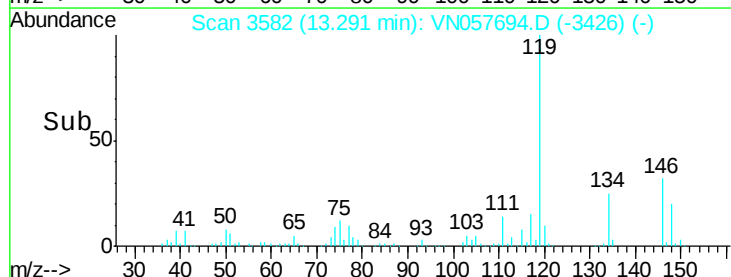
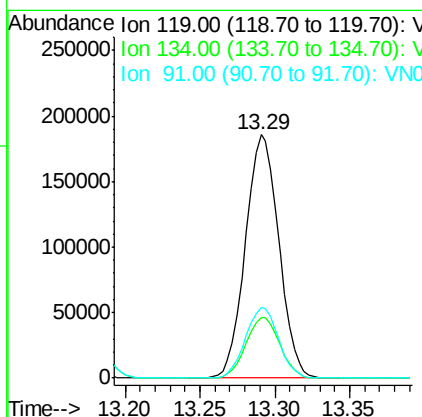
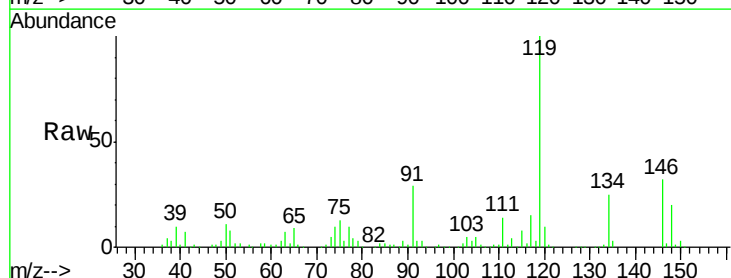
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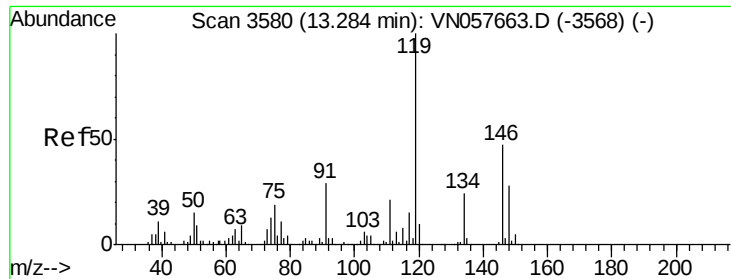
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#82
 p-Isopropyltoluene
 Concen: 19.658 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	0.0	49.6
91	28.8	0.0	56.2





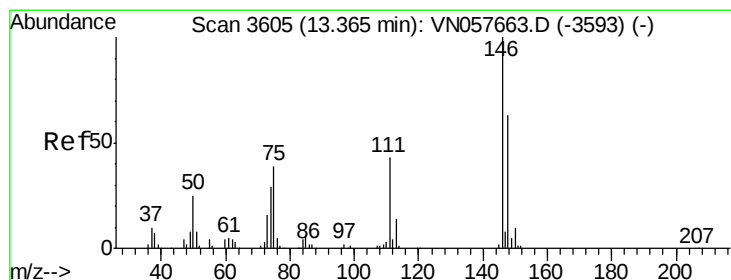
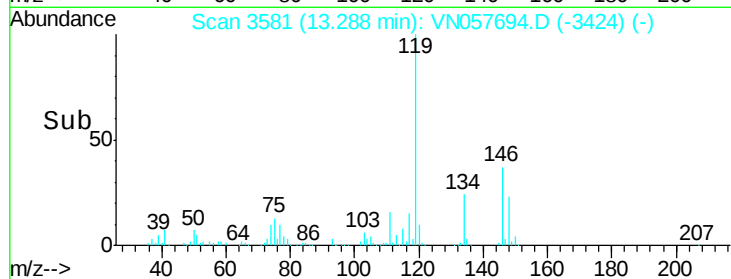
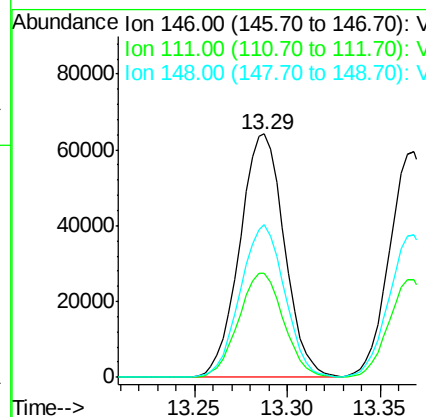
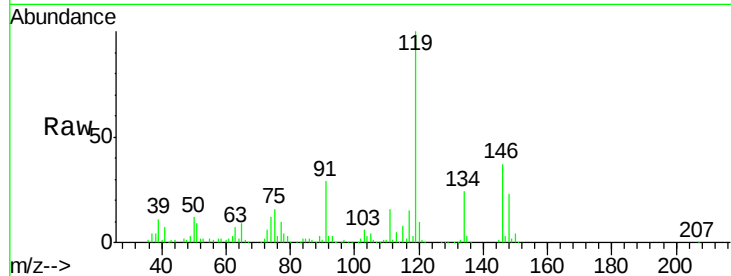
#83
 1,3-Dichlorobenzene
 Concen: 17.905 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.1	66.3
148	62.4	31.3	93.9

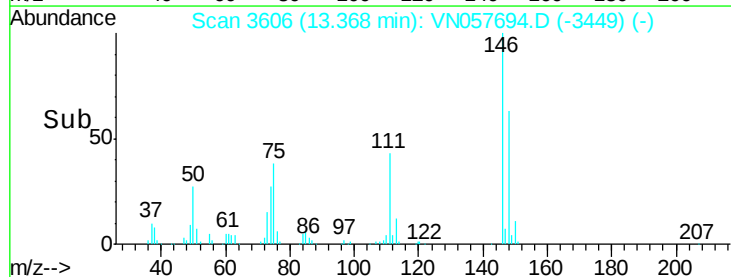
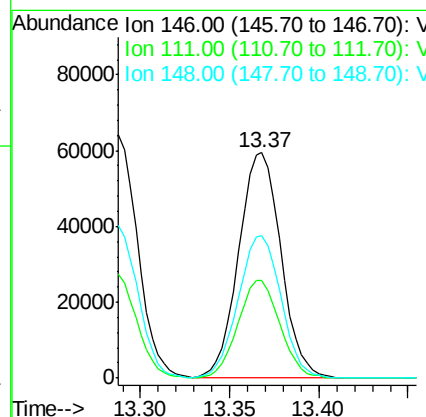
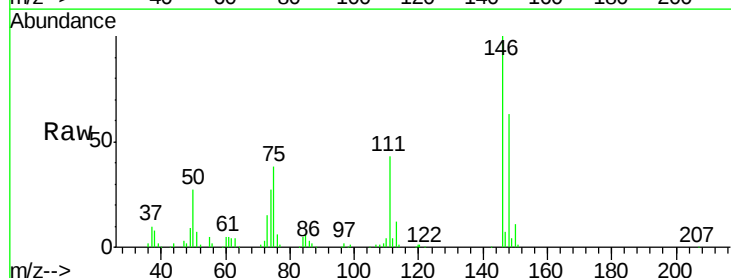
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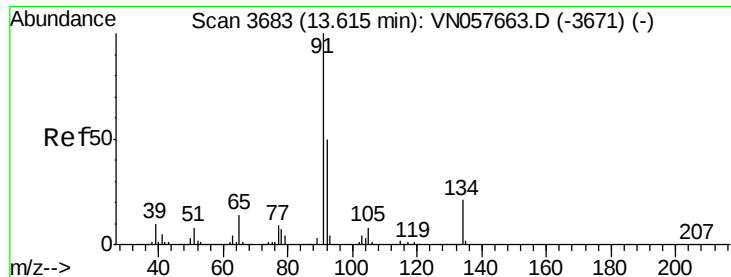
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 9/6/2019 8:26:08 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.412 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.9
148	64.1	31.0	93.0





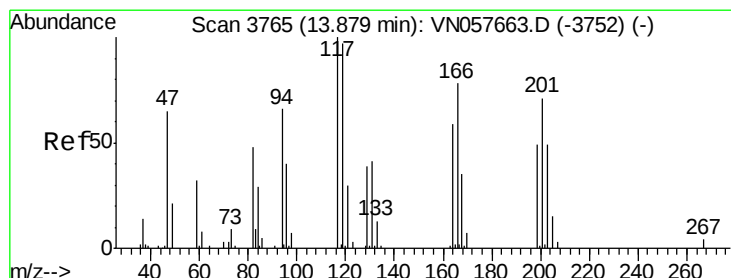
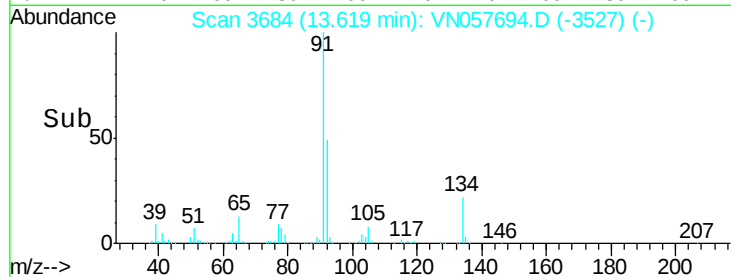
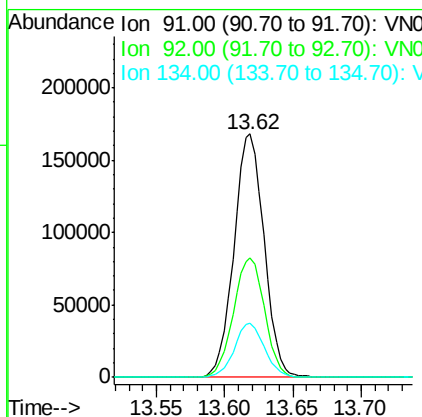
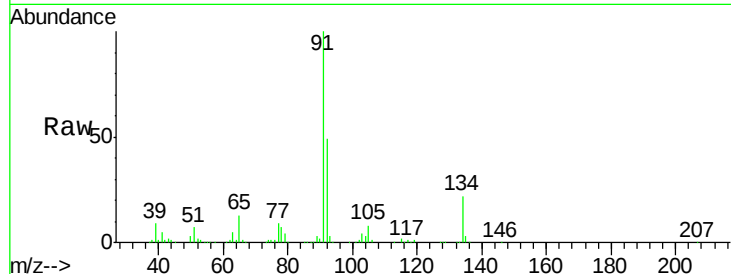
#85
n-Butylbenzene
Concen: 19.898 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	257514		
92	50.7		0.0	100.2
134	22.1		0.0	43.8

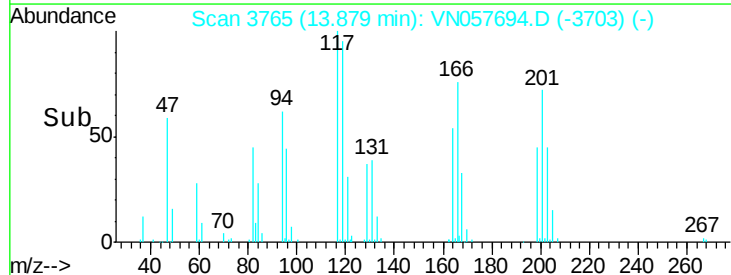
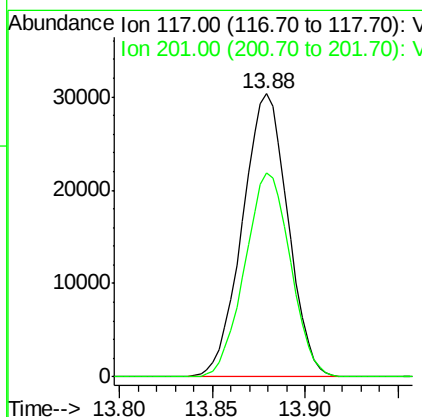
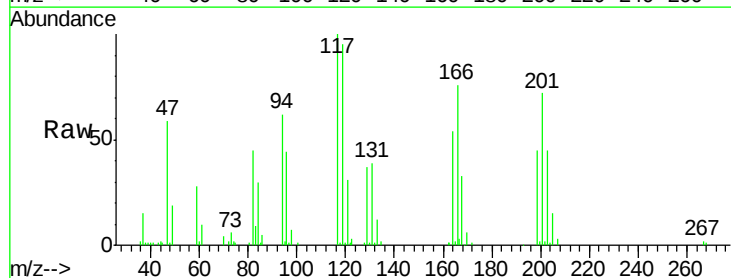
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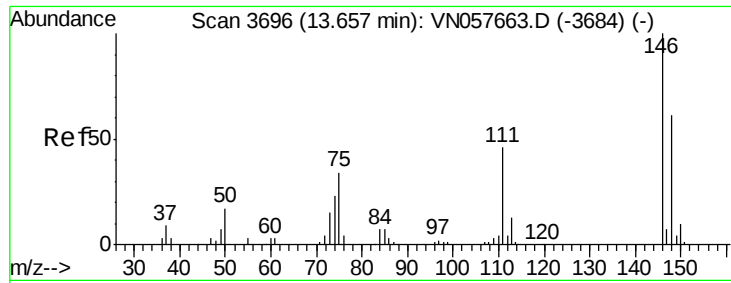
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#86
Hexachloroethane
Concen: 19.376 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51623		
201	72.3		34.1	102.2





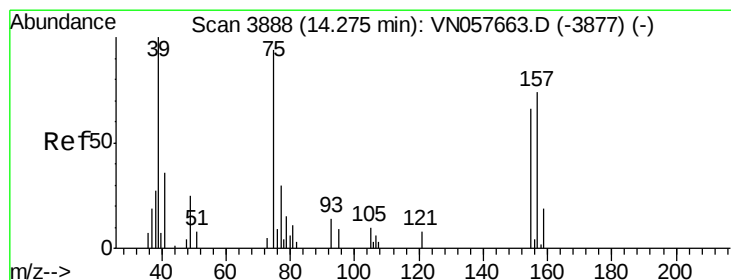
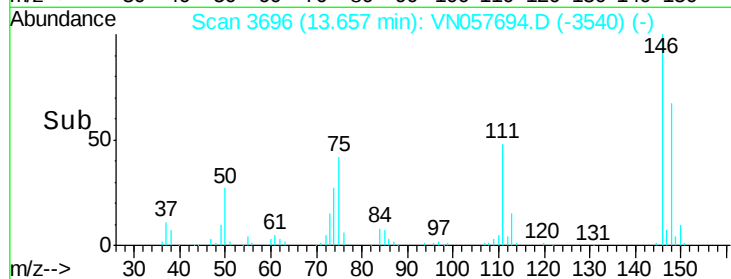
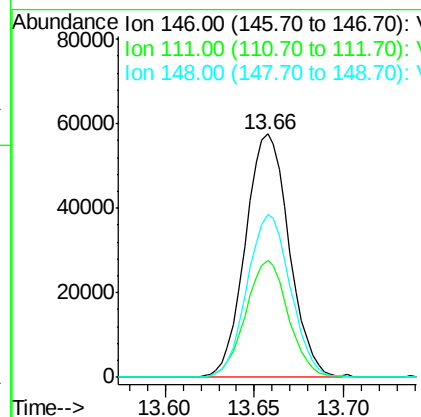
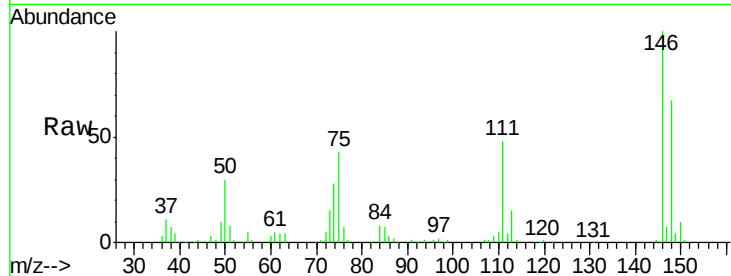
#87
 1,2-Dichlorobenzene
 Concen: 17.847 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	146	Resp:	98591
Ion Ratio	Lower	Upper	
146	100		
111	46.8	22.6	67.7
148	66.3	31.3	93.9

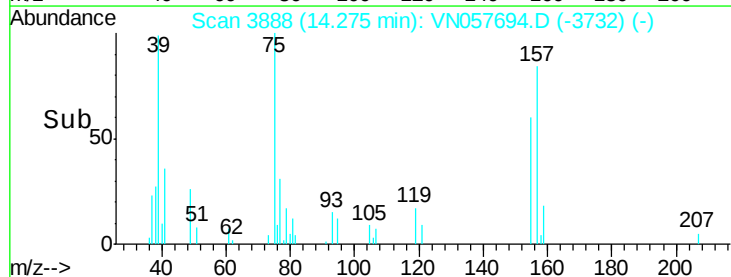
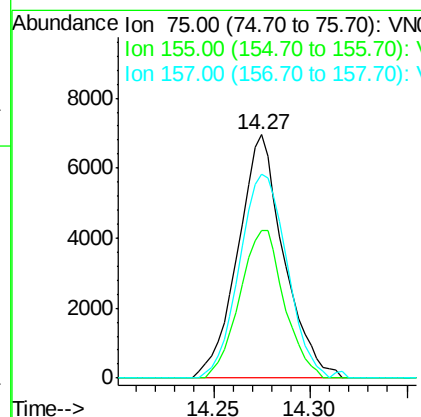
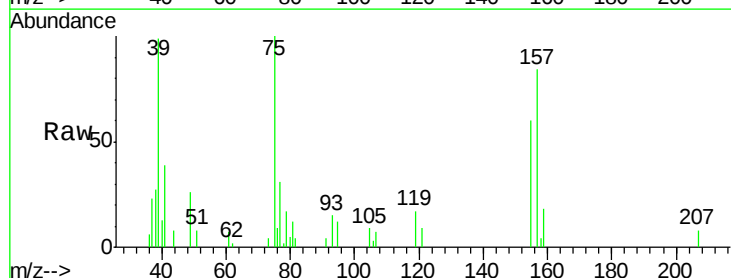
Manual Integrations
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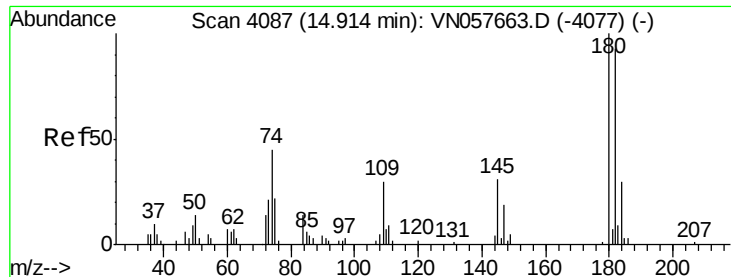
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.782 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057694.D
 Acq: 5 Sep 2019 10:22

Tgt Ion:	75	Resp:	11485
Ion Ratio	Lower	Upper	
75	100		
155	58.7	54.6	82.0
157	86.5	65.5	98.3





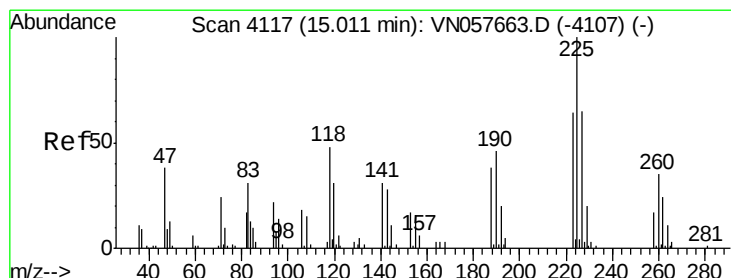
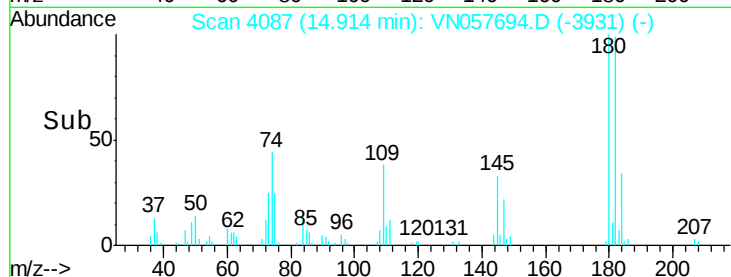
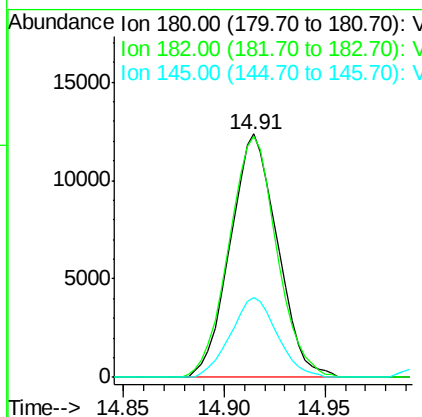
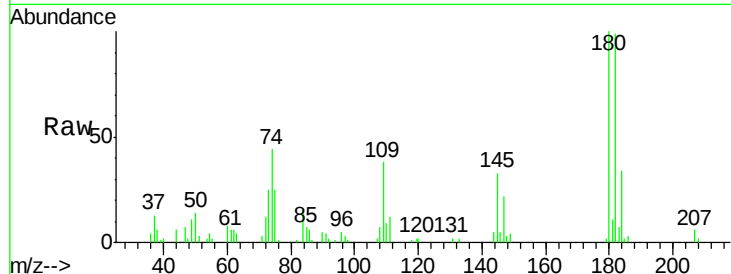
#89
1,2,4-Trichlorobenzene
Concen: 10.605 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	77.4	116.2
145	32.3	25.1	37.7

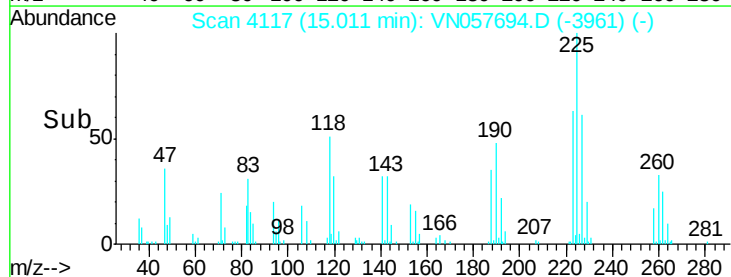
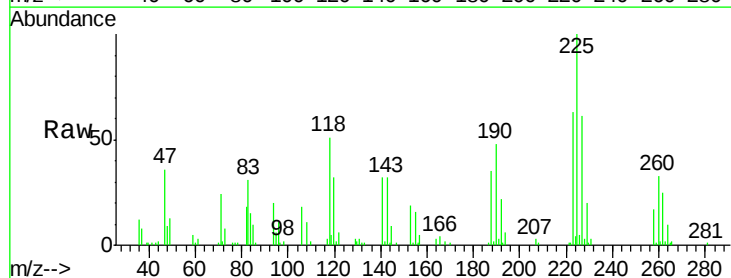
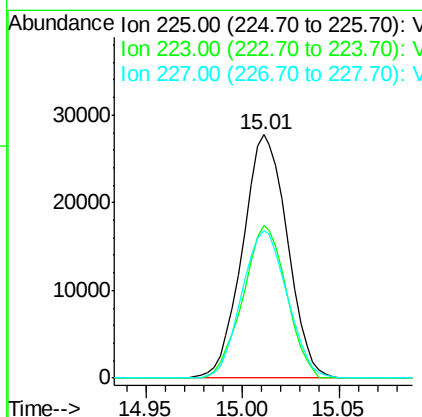
Manual Integrations
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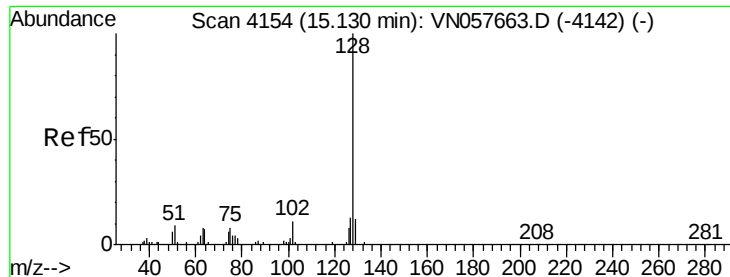
MMDadoda
9/6/2019 8:26:08 AM



#90
Hexachlorobutadiene
Concen: 21.115 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	0.0	131.0
227	61.3	0.0	128.6





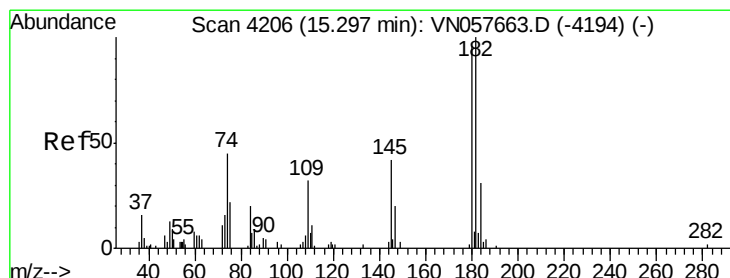
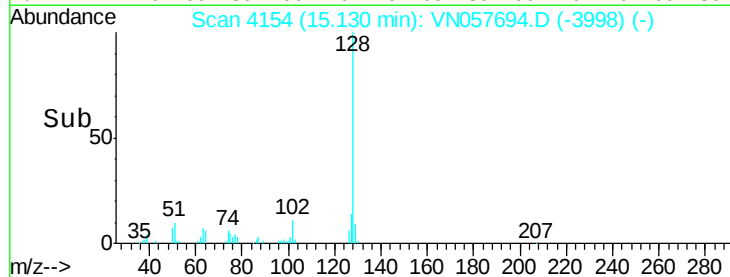
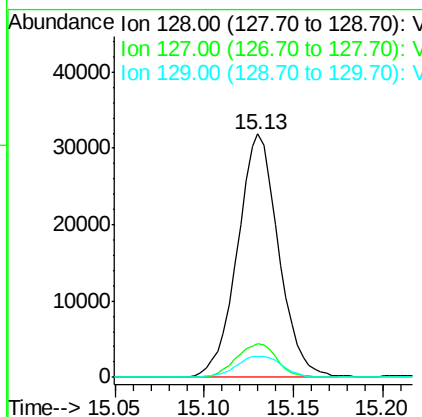
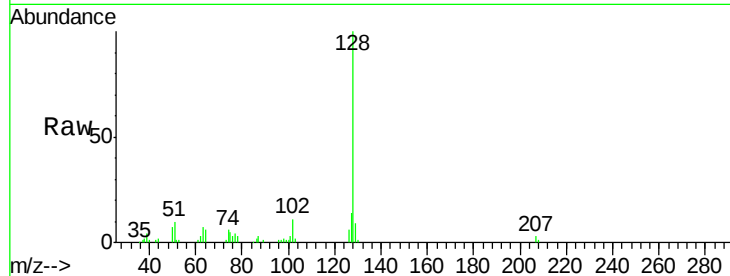
#91
Naphthalene
Concen: 10.270 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	51056		
127	13.7		10.3	15.5
129	9.6		9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/6/2019 8:26:08 AM



#92
1,2,3-Trichlorobenzene
Concen: 10.700 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057694.D
Acq: 5 Sep 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	19900		
182	92.7		0.0	199.4
145	38.1		0.0	73.2

