

Data File : VN051425.D
Acq On : 23 Sep 2018 20:30
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:27 PM

Quant Time: Sep 24 07:56:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	513383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	729736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	343363	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	338656	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	304365	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.09	98	1136525	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.40	95	371284	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	233086	48.665	ug/l	100
3) Chloromethane	2.06	50	398129	52.217	ug/l	99
4) Vinyl Chloride	2.19	62	433476	51.511	ug/l	99
5) Bromomethane	2.56	94	251052	49.782	ug/l	97
6) Chloroethane	2.70	64	272955	52.054	ug/l	98
7) Trichlorofluoromethane	3.01	101	563118	51.087	ug/l	99
8) Diethyl Ether	3.41	74	160289	46.203	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	279011	44.851	ug/l	98
10) Methyl Iodide	3.95	142	391372	47.374	ug/l	97
11) Tert butyl alcohol	4.78	59	86473	238.249	ug/l	98
12) 1,1-Dichloroethene	3.74	96	253713	44.418	ug/l	99
13) Acrolein	3.61	56	85870	238.255	ug/l	100
14) Allyl chloride	4.33	41	443803	46.309	ug/l	99
15) Acrylonitrile	4.99	53	467954	237.010	ug/l	99
16) Acetone	3.82	43	318949	220.317	ug/l	96
17) Carbon Disulfide	4.05	76	759430	45.254	ug/l	100
18) Methyl Acetate	4.33	43	238406	48.675	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	733983	49.831	ug/l	97
20) Methylene Chloride	4.55	84	302423	47.522	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	280019	47.922	ug/l	97
22) Diisopropyl ether	5.95	45	971462	52.442	ug/l	98
23) Vinyl Acetate	5.90	43	3109633	255.689	ug/l	100
24) 1,1-Dichloroethane	5.85	63	555724	50.279	ug/l	98
25) 2-Butanone	6.84	43	509299	231.375	ug/l	99
26) 2,2-Dichloropropane	6.83	77	384722	44.591	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	318384	49.658	ug/l	99
28) Bromochloromethane	7.20	49	267052	52.321	ug/l	99
29) Tetrahydrofuran	7.21	42	361690	259.291	ug/l	99
30) Chloroform	7.37	83	558018	50.951	ug/l	99
31) Cyclohexane	7.66	56	492994	48.683	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	481423	51.419	ug/l	99
36) 1,1-Dichloropropene	7.79	75	422914	50.046	ug/l	98
37) Ethyl Acetate	6.93	43	246672	50.769	ug/l	99
38) Carbon Tetrachloride	7.78	117	439174	49.687	ug/l	100

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	482620	48.855	ug/l	96
40) Benzene	8.04	78	1248784	50.329	ug/l	98
41) Methacrylonitrile	7.18	41	119265m	44.369	ug/l	
42) 1,2-Dichloroethane	8.12	62	402557	50.668	ug/l	99
43) Isopropyl Acetate	8.17	43	449173	51.125	ug/l #	89
44) Trichloroethene	8.84	130	323295	49.055	ug/l	98
45) 1,2-Dichloropropane	9.12	63	338402	50.172	ug/l	100
46) Dibromomethane	9.21	93	193924	50.886	ug/l	99
47) Bromodichloromethane	9.40	83	432689	51.306	ug/l	100
48) Methyl methacrylate	9.20	41	223191	50.953	ug/l	99
49) 1,4-Dioxane	9.20	88	53049	988.182	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1215856	251.631	ug/l	99
52) Toluene	10.16	92	773028	50.131	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	419207	49.235	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	487390	49.361	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	277368	50.897	ug/l	97
56) Ethyl methacrylate	10.43	69	344247	51.666	ug/l	99
57) 1,3-Dichloropropane	10.71	76	468491	50.156	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	877590	243.920	ug/l	99
59) 2-Hexanone	10.75	43	768757	245.426	ug/l	100
60) Dibromochloromethane	10.90	129	324912	50.531	ug/l	100
61) 1,2-Dibromoethane	11.01	107	264906	50.074	ug/l	99
64) Tetrachloroethene	10.63	164	303211	50.214	ug/l	97
65) Chlorobenzene	11.43	112	840933	49.262	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	324685	49.923	ug/l	100
67) Ethyl Benzene	11.51	91	1451187	50.443	ug/l	100
68) m/p-Xylenes	11.62	106	1125755	101.165	ug/l	100
69) o-Xylene	11.95	106	536773	50.176	ug/l	98
70) Styrene	11.96	104	866792	51.134	ug/l	100
71) Bromoform	12.13	173	217488	49.283	ug/l #	97
73) Isopropylbenzene	12.25	105	1443444	49.824	ug/l	100
74) N-amyl acetate	12.07	43	374486	51.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	323821	47.933	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	288222m	50.565	ug/l	
77) Bromobenzene	12.53	156	351581	47.939	ug/l	98
78) n-propylbenzene	12.59	91	1648152	50.478	ug/l	99
79) 2-Chlorotoluene	12.67	91	967142	49.485	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1201254	50.851	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	86688	46.764	ug/l	99
82) 4-Chlorotoluene	12.77	91	962114	49.321	ug/l	100
83) tert-Butylbenzene	12.99	119	1041991	49.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1215289	51.053	ug/l	100
85) sec-Butylbenzene	13.17	105	1417483	49.832	ug/l	99
86) p-Isopropyltoluene	13.29	119	1246030	50.624	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	626745	49.383	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	605646	49.596	ug/l	99
89) n-Butylbenzene	13.61	91	1009219	49.863	ug/l	99
90) Hexachloroethane	13.87	117	237232	48.374	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	606446	49.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46513	48.244	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Quantitation Report (QT Reviewed)

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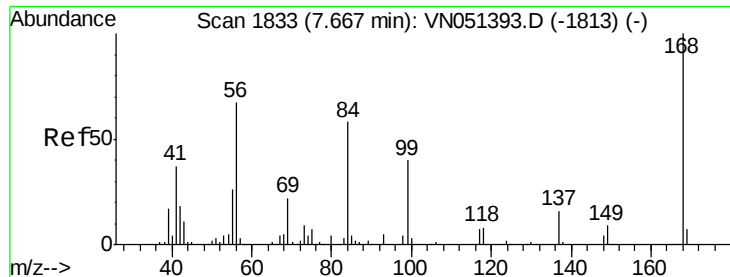
Quant Time: Sep 24 07:56:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	296672	45.323	ug/l	99
94) Hexachlorobutadiene	15.01	225	219248	47.058	ug/l	99
95) Naphthalene	15.13	128	531650	42.989	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	287850	48.709	ug/l	99

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

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[illegible]



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 513383

Ion Ratio Lower Upper

168 100

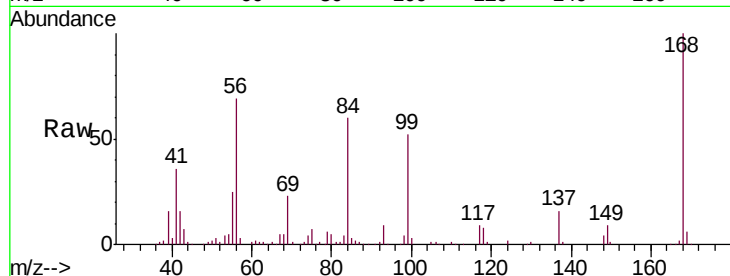
99 52.0 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

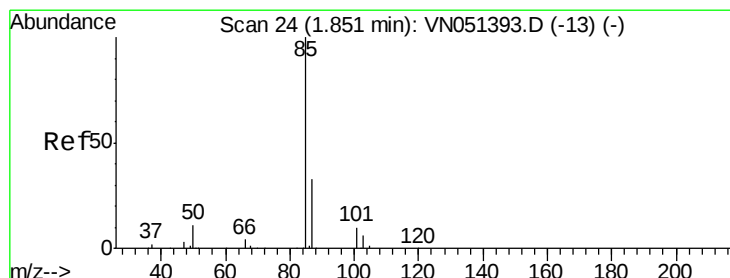
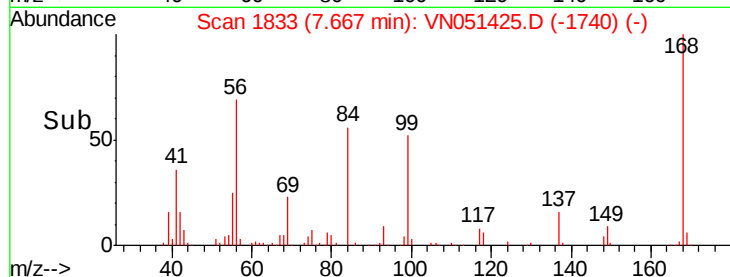
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.665 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051425.D

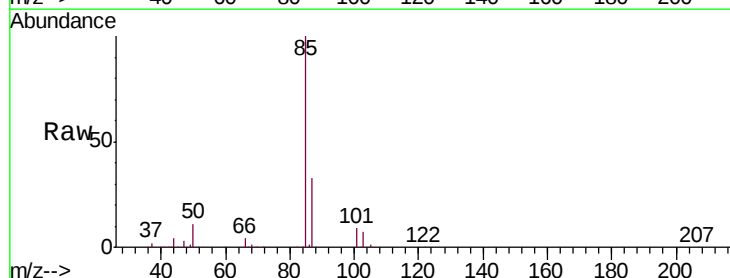
Acq: 23 Sep 2018 20:30

Tgt Ion: 85 Resp: 233086

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

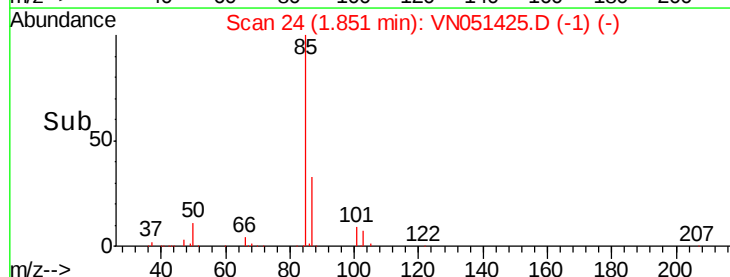
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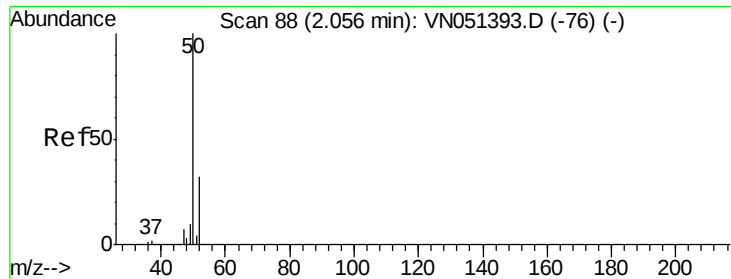
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.217 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 398129

Ion Ratio Lower Upper

50 100

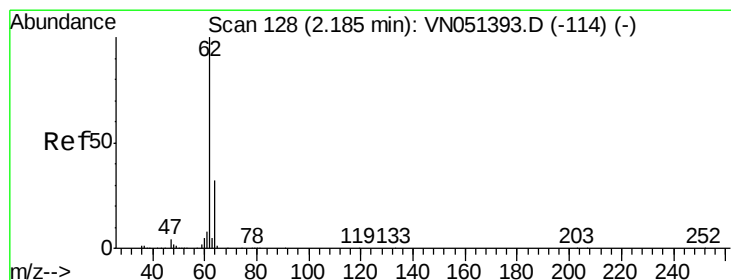
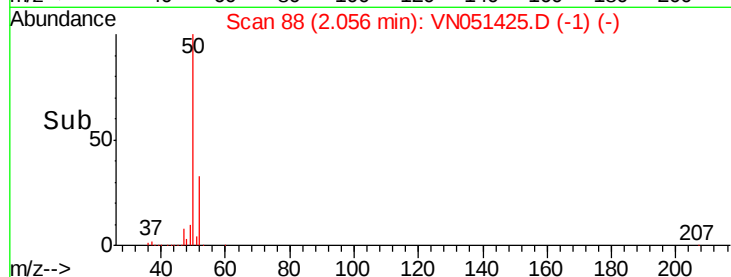
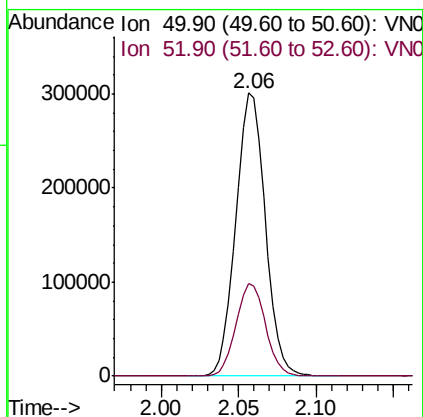
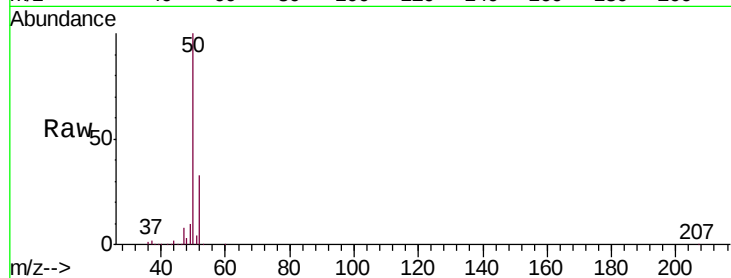
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.511 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051425.D

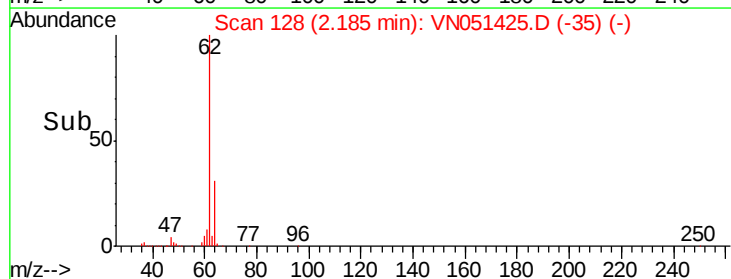
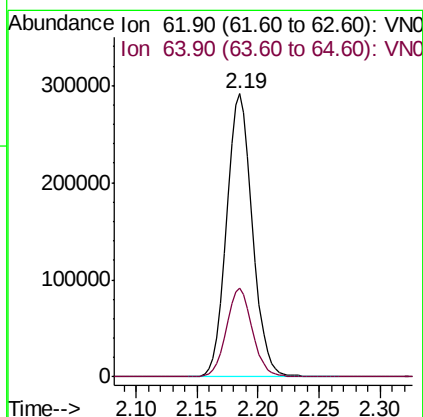
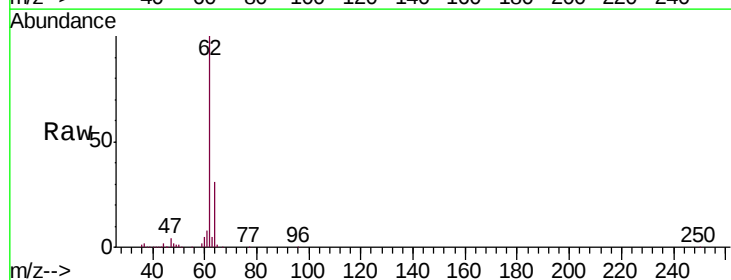
Acq: 23 Sep 2018 20:30

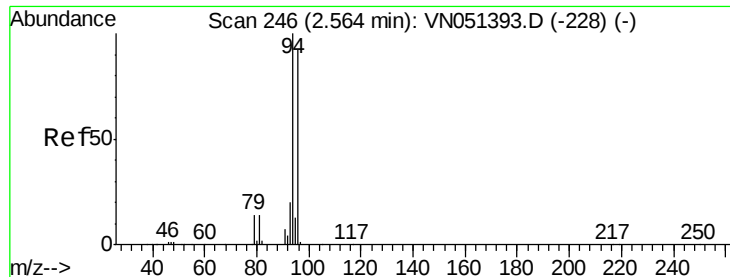
Tgt Ion: 62 Resp: 433476

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8





#5

Bromomethane

Concen: 49.782 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 251052

Ion Ratio Lower Upper

94 100

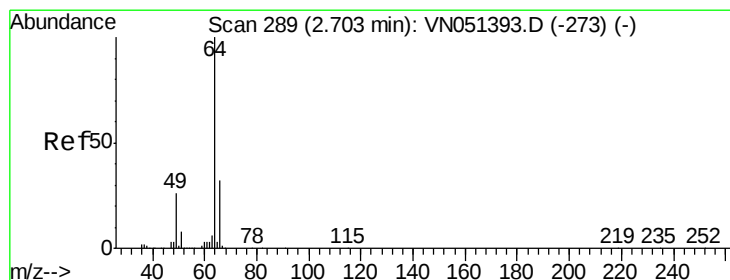
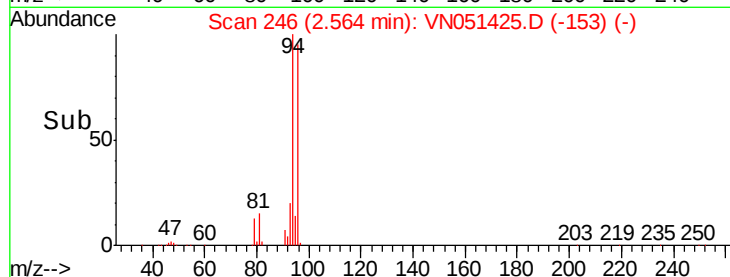
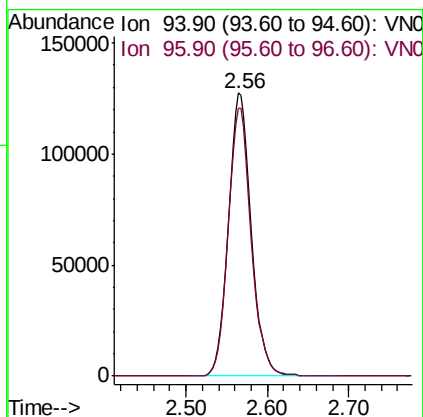
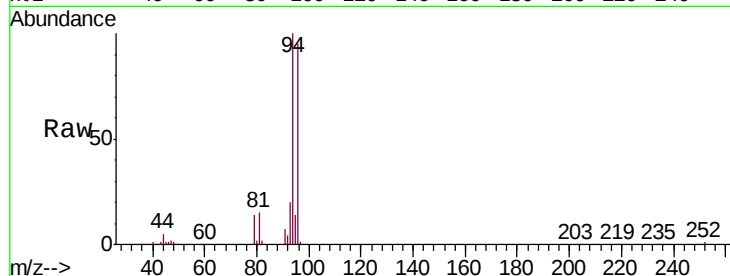
96 94.6 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 52.054 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051425.D

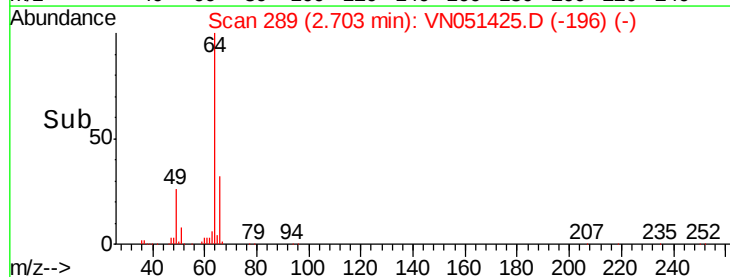
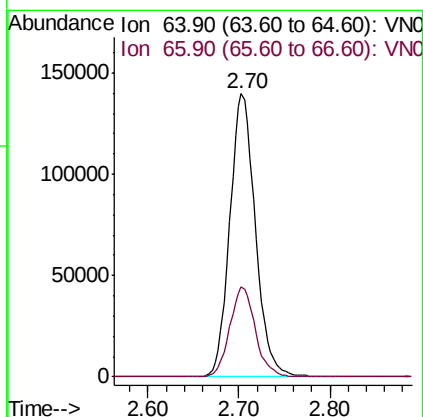
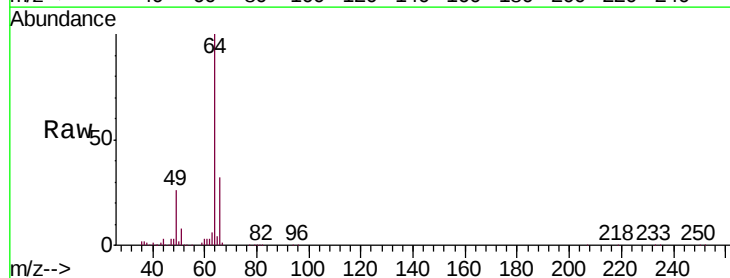
Acq: 23 Sep 2018 20:30

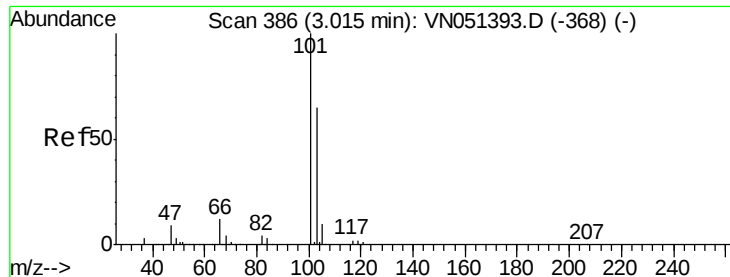
Tgt Ion: 64 Resp: 272955

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9





#7

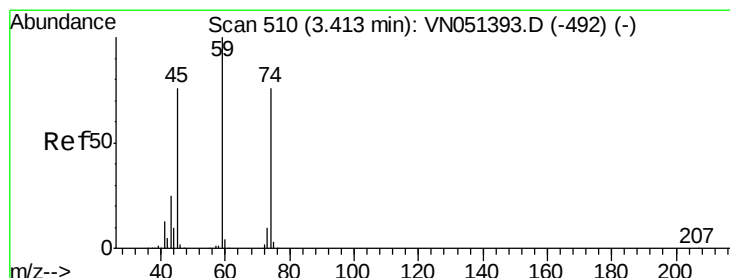
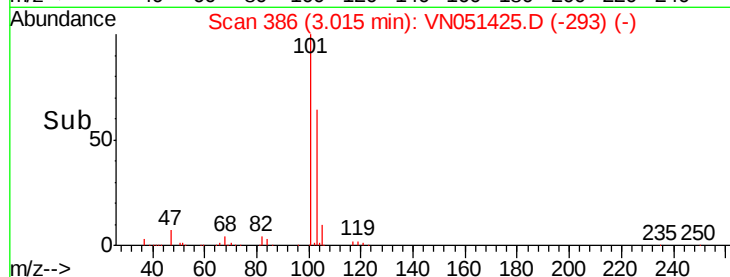
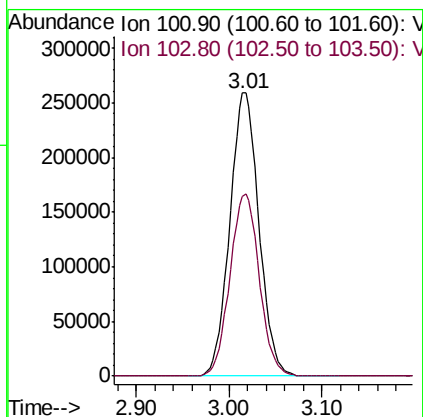
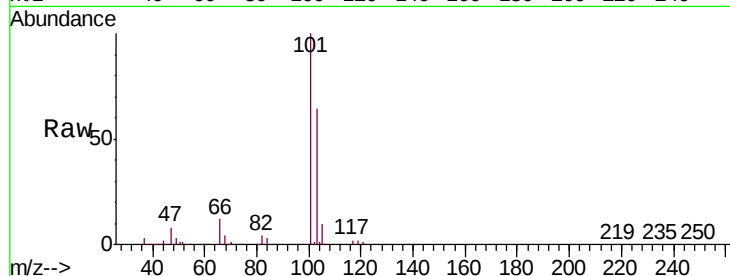
Trichlorofluoromethane
 Concen: 51.087 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

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 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.8

Manual Integrations
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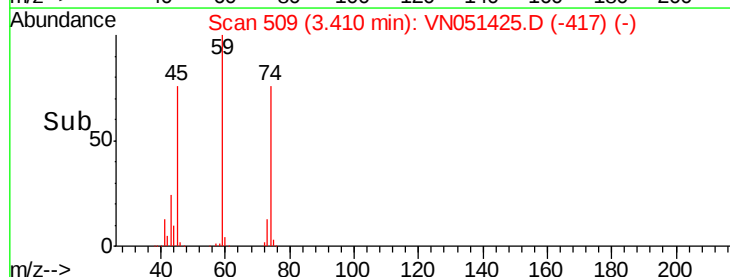
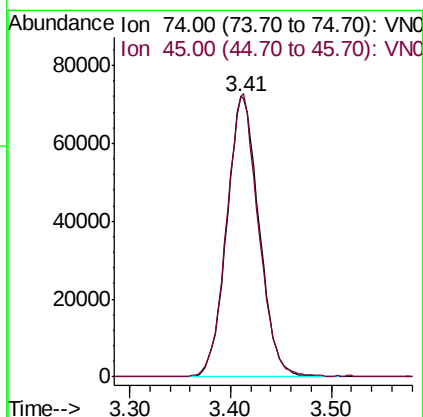
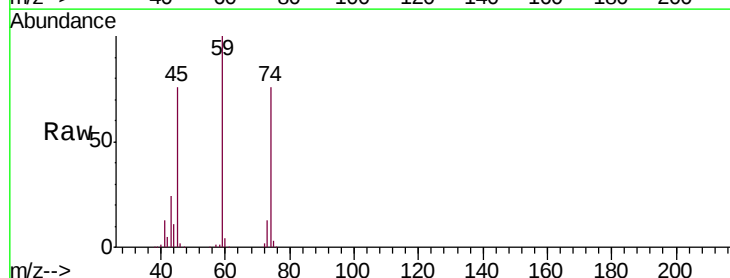
MMDadoda
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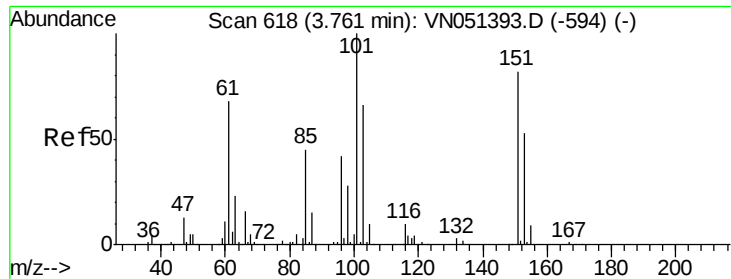


#8

Diethyl Ether
 Concen: 46.203 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.2	150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.851 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

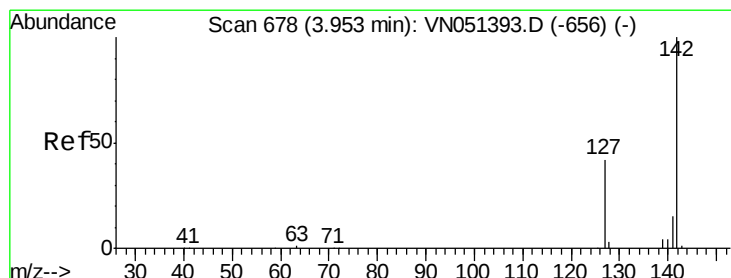
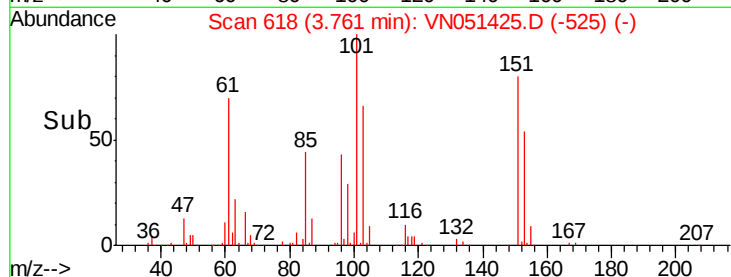
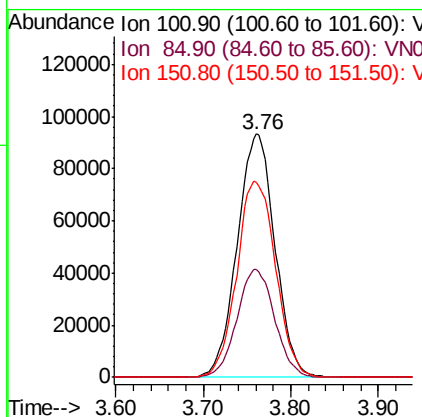
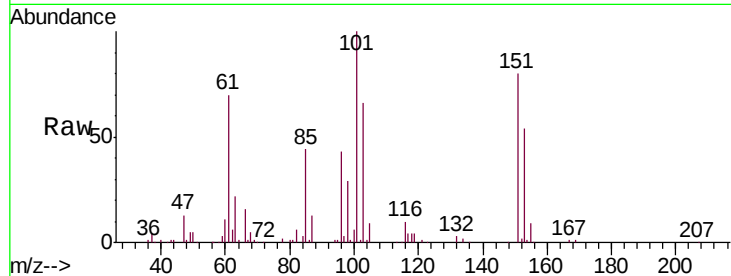
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	279011
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.9	50.9
151	83.0	65.2	97.8

Manual Integrations
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#10

Methyl Iodide

Concen: 47.374 ug/l

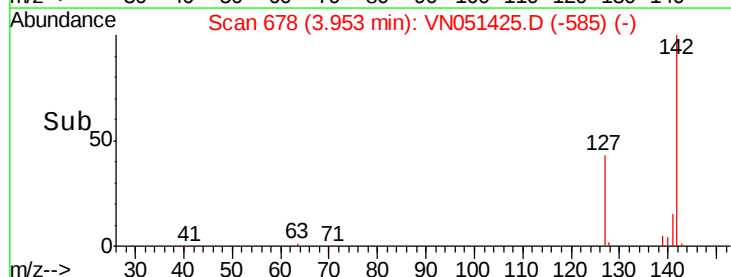
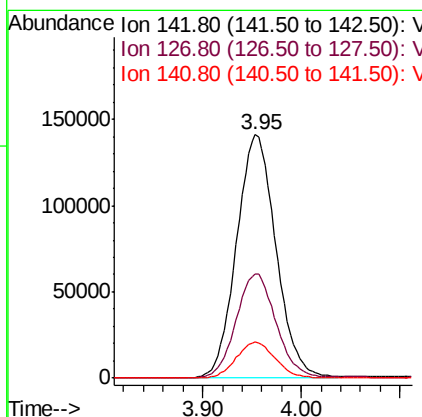
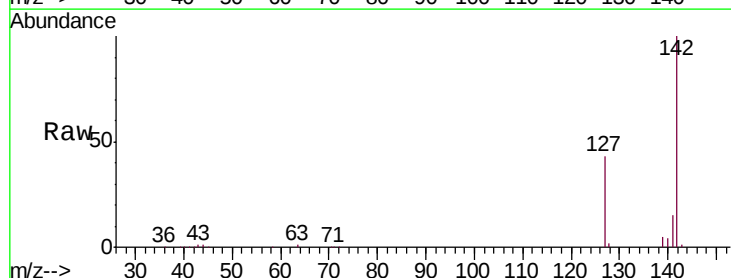
RT: 3.95 min Scan# 678

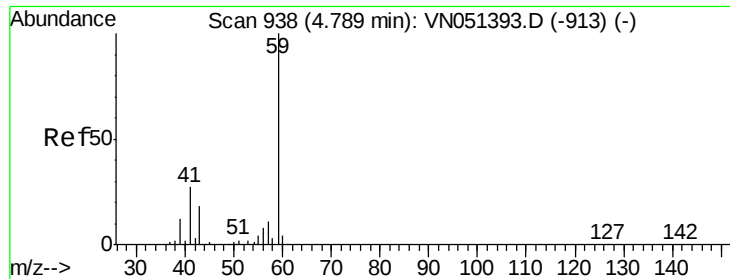
Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Tgt Ion:	142	Resp:	391372
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.2	49.8
141	14.7	11.5	17.3





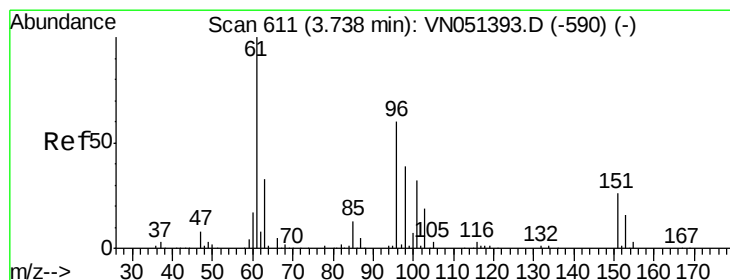
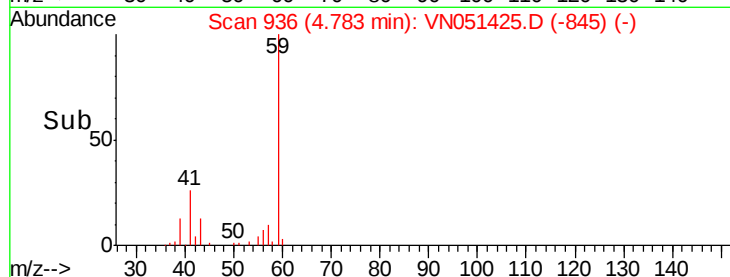
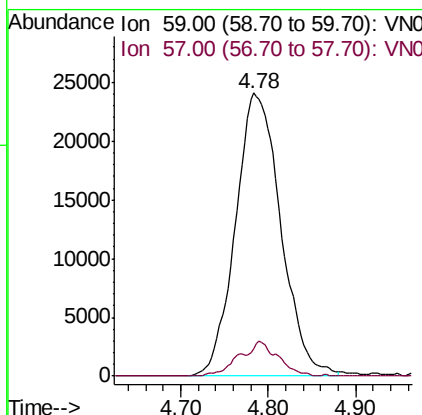
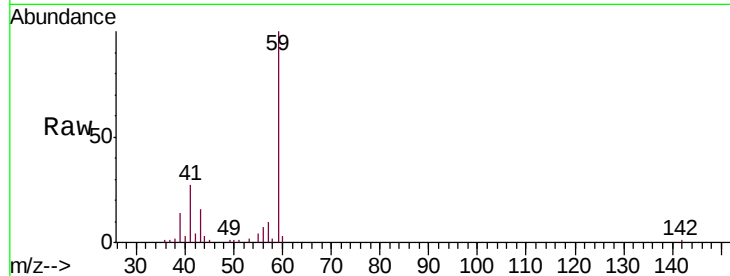
#11
Tert butyl alcohol
Concen: 238.249 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 86473
Ion Ratio Lower Upper
59 100
57 7.1 6.2 9.2

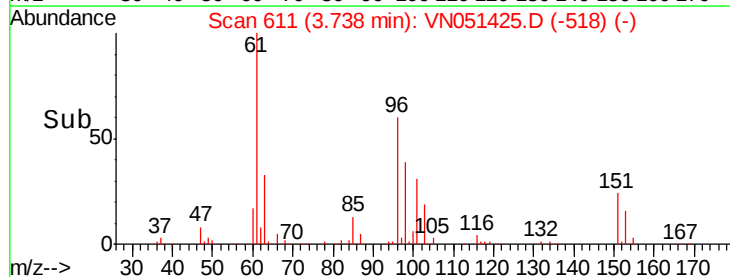
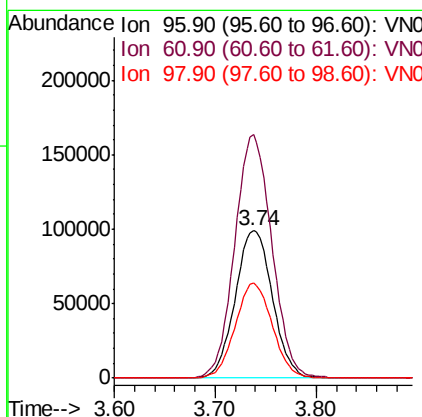
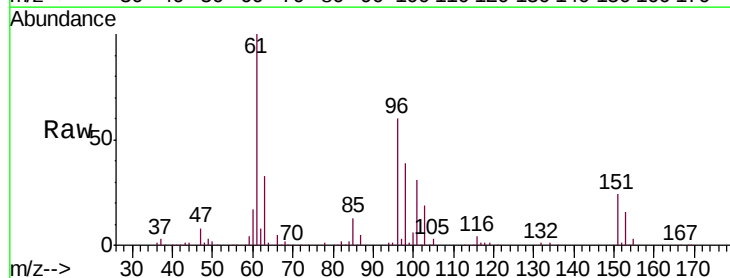
Manual Integrations
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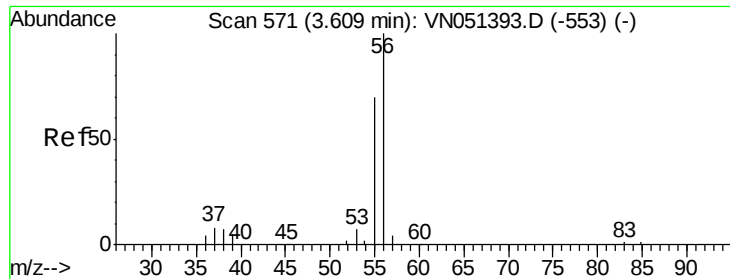
MMDadoda
9/24/2018 2:15:27 PM



#12
1,1-Dichloroethene
Concen: 44.418 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 96 Resp: 253713
Ion Ratio Lower Upper
96 100
61 165.4 133.6 200.4
98 65.0 52.2 78.2





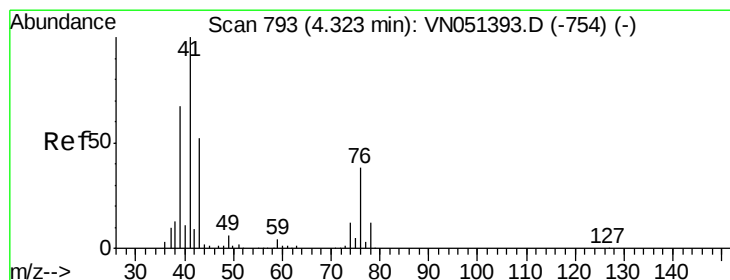
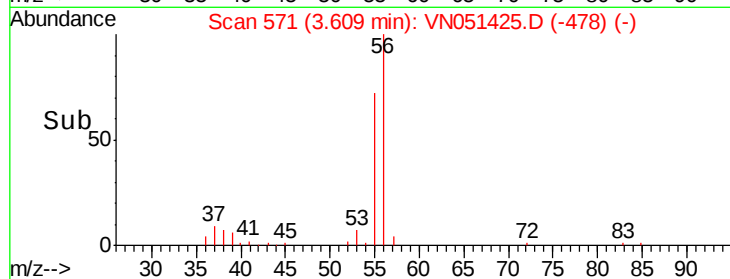
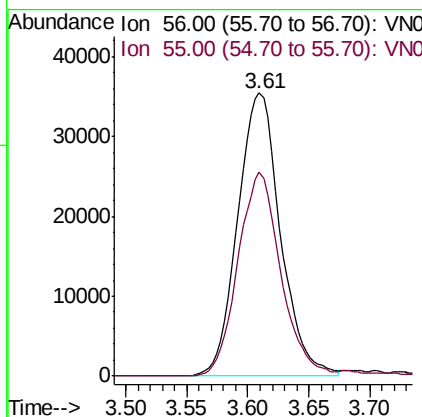
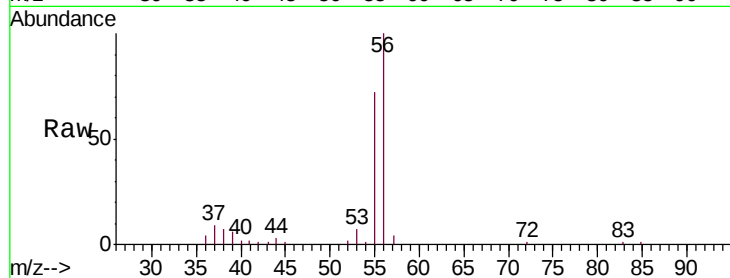
#13
Acrolein
Concen: 238.255 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 85870
Ion Ratio Lower Upper
56 100
55 72.0 57.8 86.8

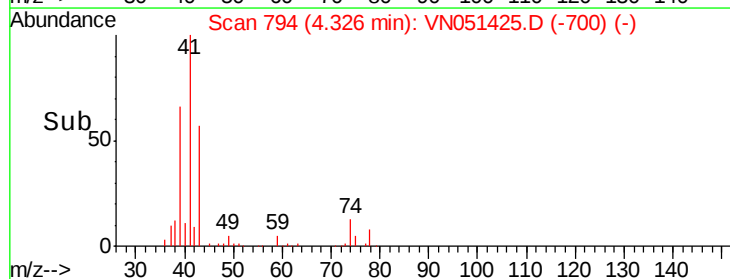
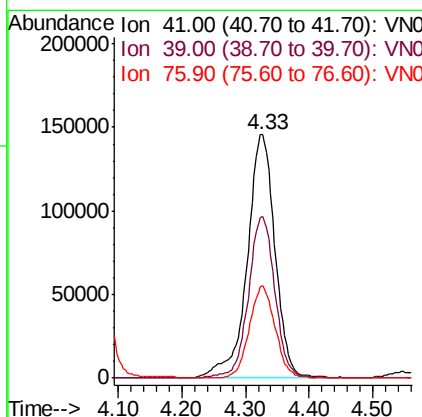
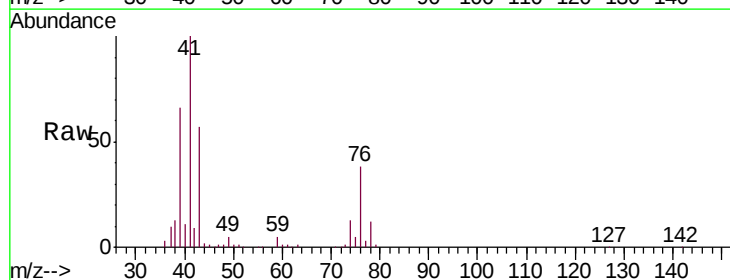
Manual Integrations
APPROVED

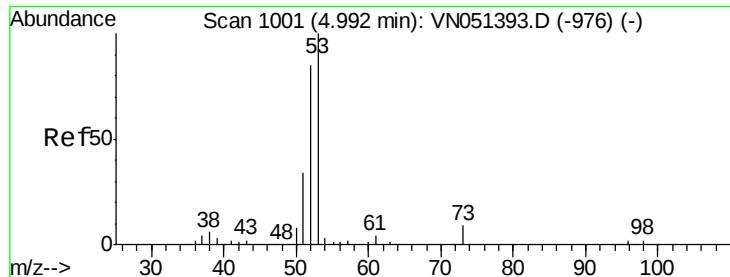
MMDadoda
9/24/2018 2:15:27 PM



#14
Allyl chloride
Concen: 46.309 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 41 Resp: 443803
Ion Ratio Lower Upper
41 100
39 63.0 51.4 77.2
76 34.7 28.1 42.1





#15

Acrylonitrile

Concen: 237.010 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

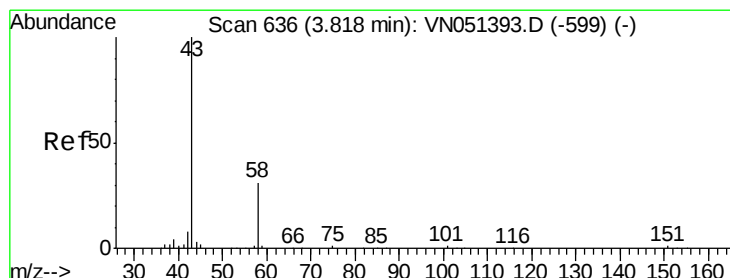
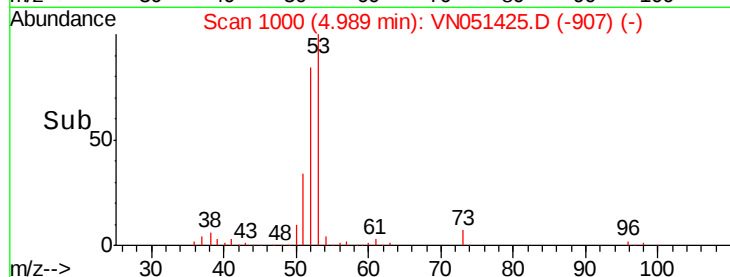
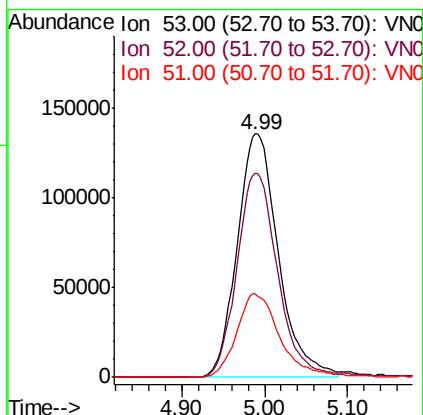
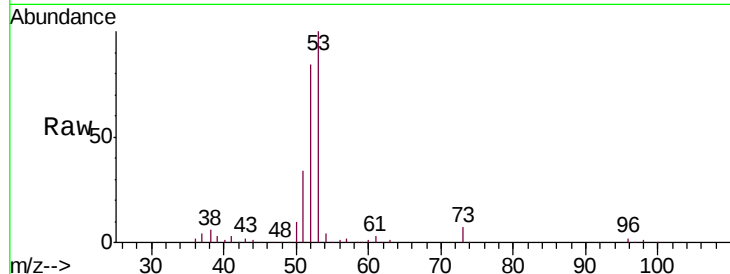
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	467954
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.2	99.2
51	36.1	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 220.317 ug/l

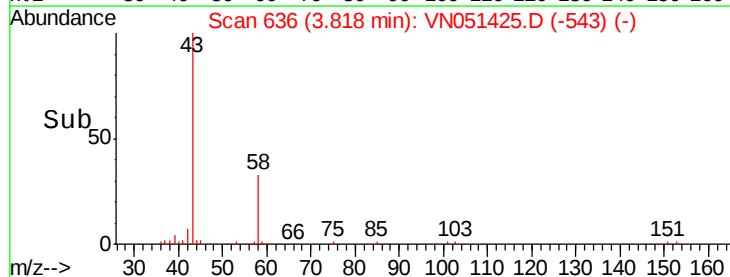
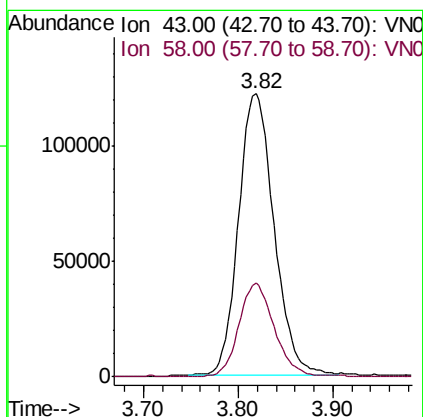
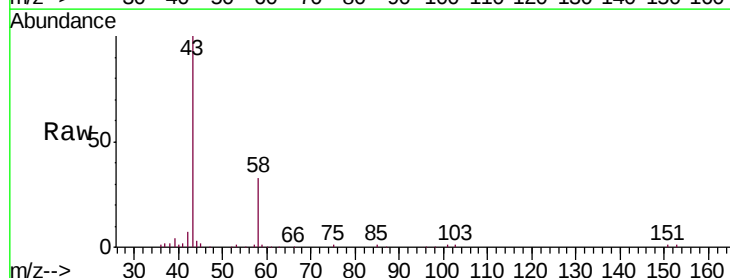
RT: 3.82 min Scan# 636

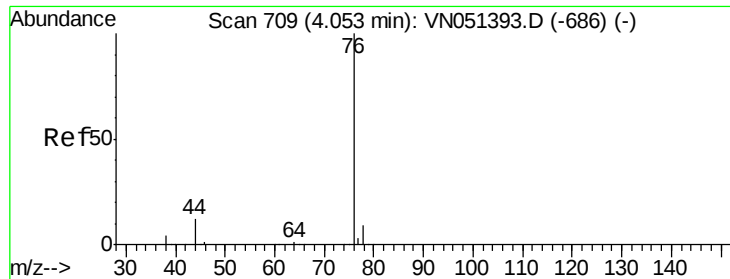
Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Tgt Ion:	43	Resp:	318949
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.0	37.4





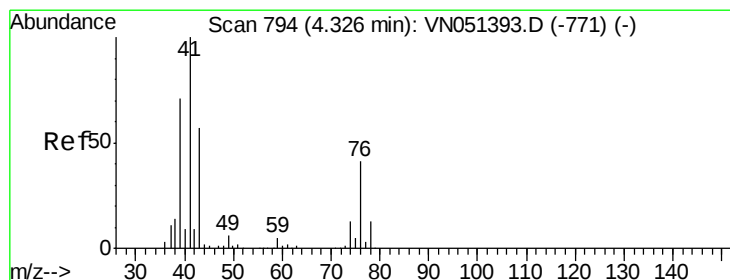
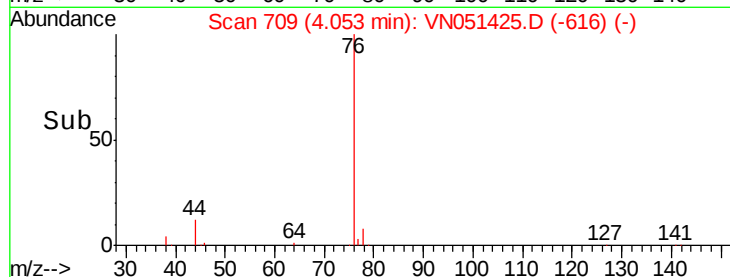
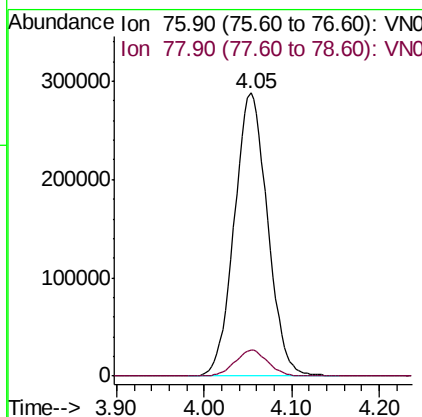
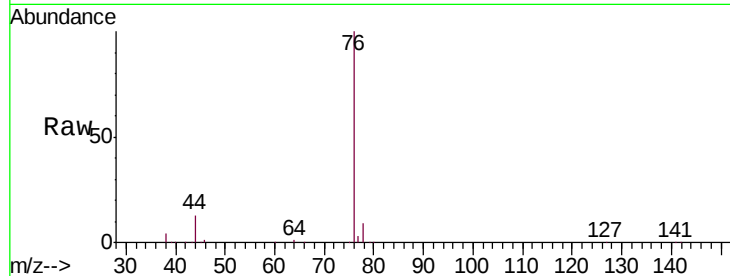
#17
Carbon Disulfide
Concen: 45.254 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 759430
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

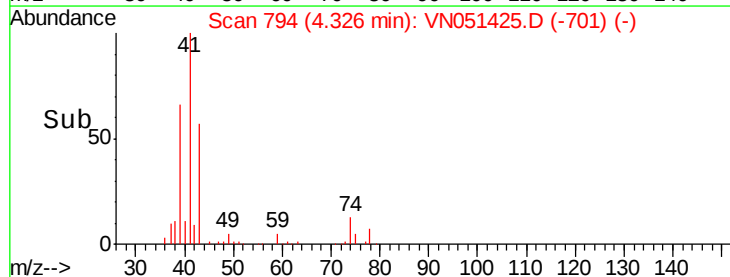
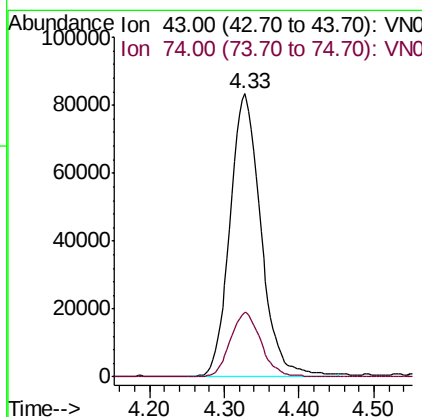
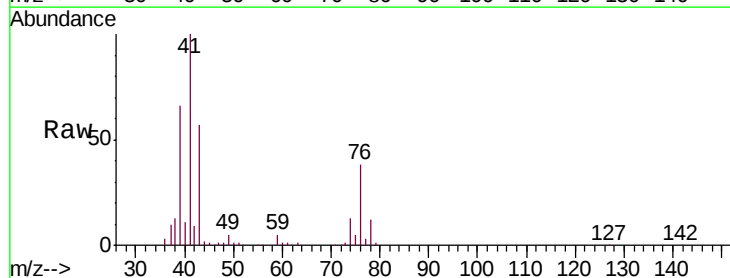
Manual Integrations
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#18
Methyl Acetate
Concen: 48.675 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 43 Resp: 238406
Ion Ratio Lower Upper
43 100
74 22.8 18.8 28.2





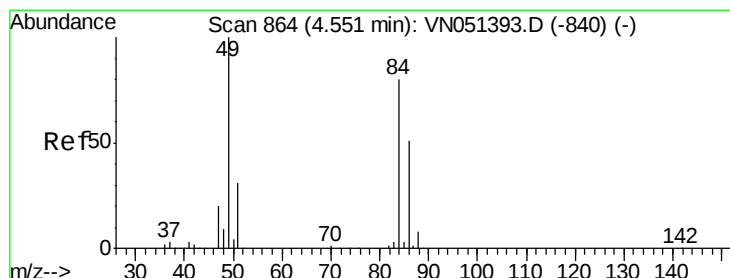
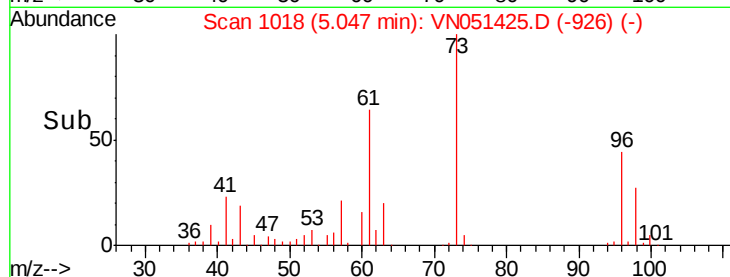
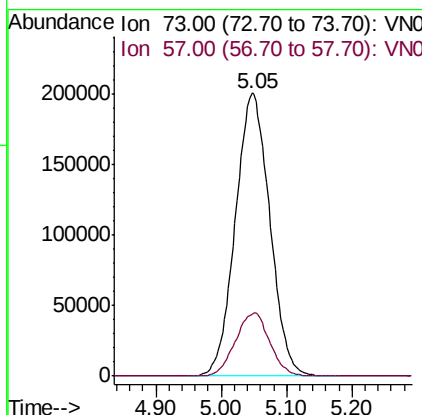
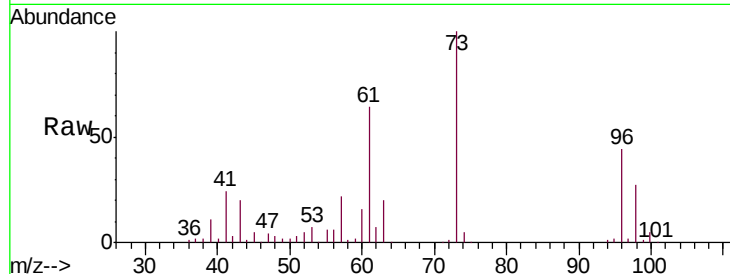
#19
Methyl tert-butyl Ether
Concen: 49.831 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 733983
Ion Ratio Lower Upper
73 100
57 21.7 18.3 27.5

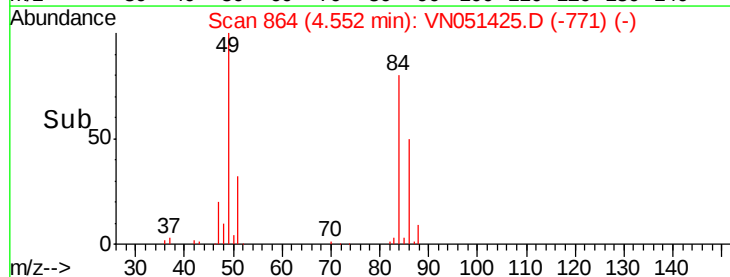
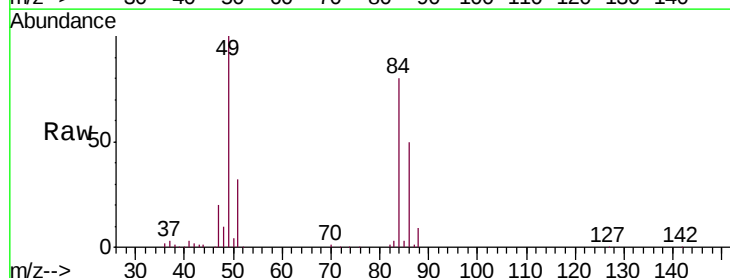
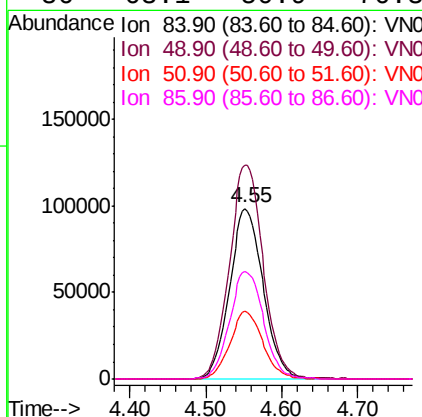
Manual Integrations
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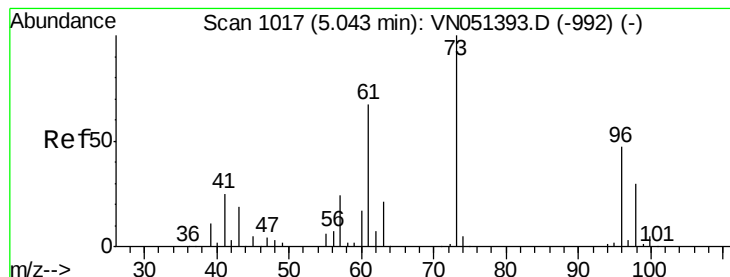
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#20
Methylene Chloride
Concen: 47.522 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 84 Resp: 302423
Ion Ratio Lower Upper
84 100
49 125.4 99.9 149.9
51 39.7 31.4 47.2
86 63.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 47.922 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 280019

Ion Ratio Lower Upper

96 100

61 146.4 113.4 170.2

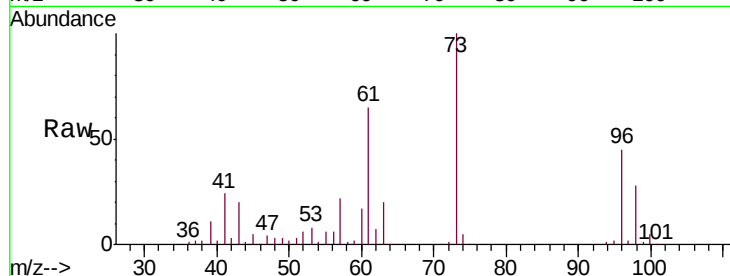
98 62.7 51.1 76.7

Manual Integrations

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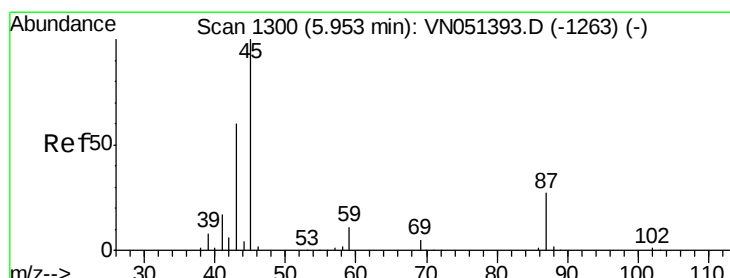
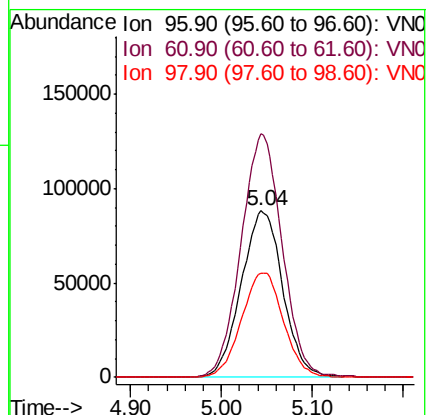
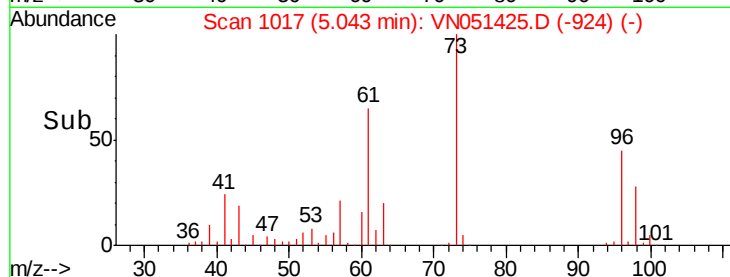


Abundance Ion 95.90 (95.60 to 96.60): VN051393.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN051393.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN051393.D (-992) (-)

Time-->



#22

Diisopropyl ether

Concen: 52.442 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Tgt Ion: 45 Resp: 971462

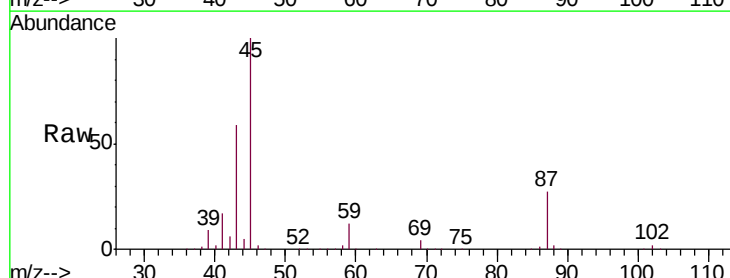
Ion Ratio Lower Upper

45 100

43 57.4 47.7 71.5

87 27.3 22.0 33.0

59 11.6 9.3 13.9



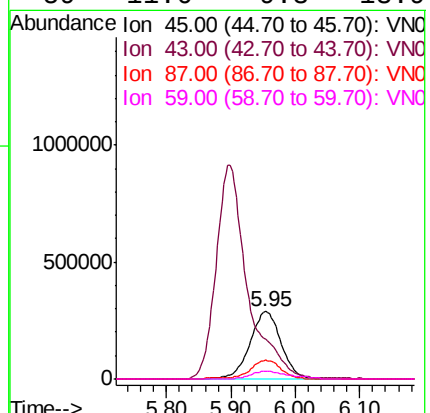
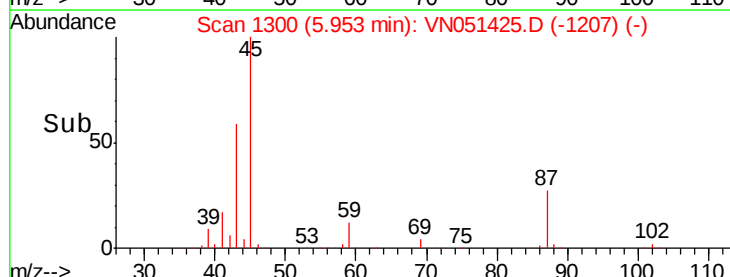
Abundance Ion 45.00 (44.70 to 45.70): VN051393.D (-1263) (-)

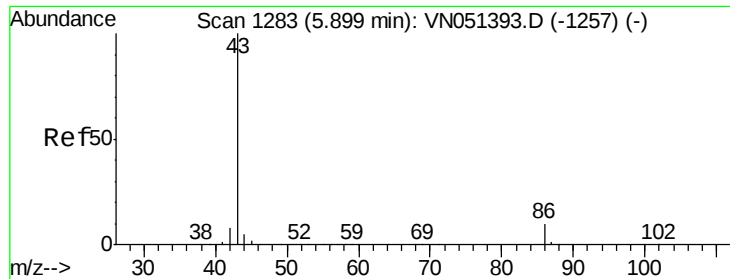
Ion 43.00 (42.70 to 43.70): VN051393.D (-1263) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1263) (-)

Ion 59.00 (58.70 to 59.70): VN051393.D (-1263) (-)

Time-->





#23

Vinyl Acetate

Concen: 255.689 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3109633

Ion Ratio Lower Upper

43 100

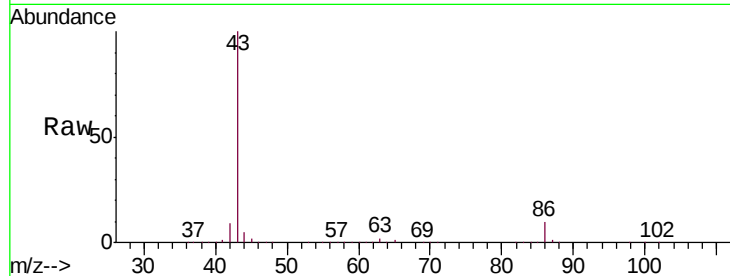
86 10.3 8.2 12.2

Manual Integrations

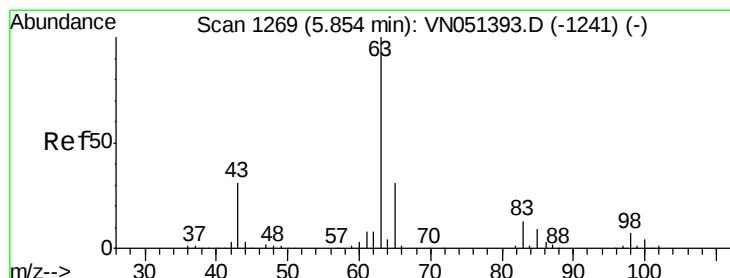
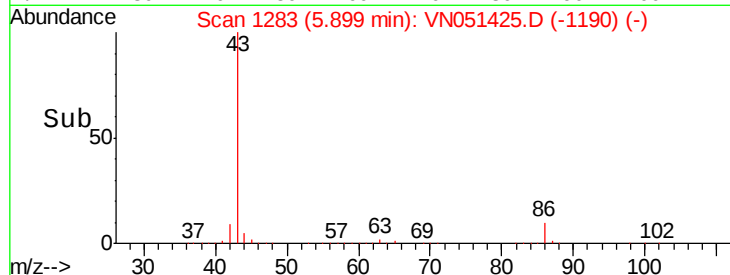
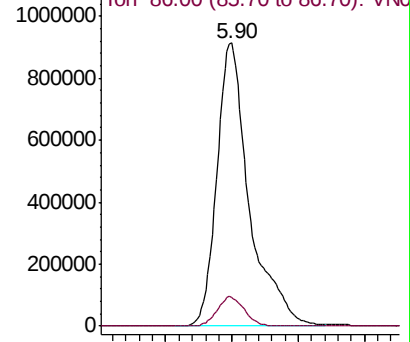
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Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1257) (-)



#24

1,1-Dichloroethane

Concen: 50.279 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

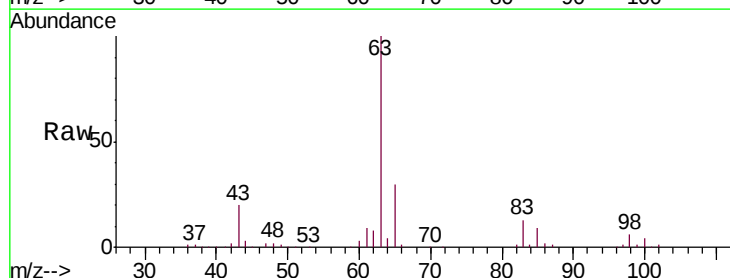
Tgt Ion: 63 Resp: 555724

Ion Ratio Lower Upper

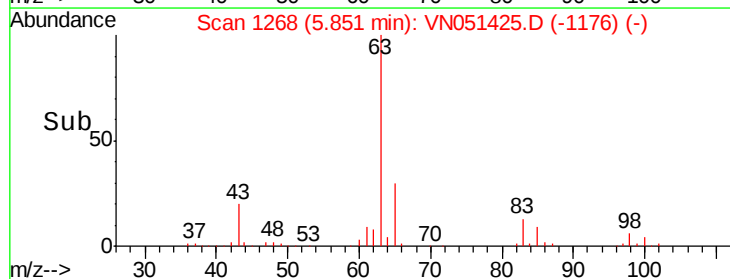
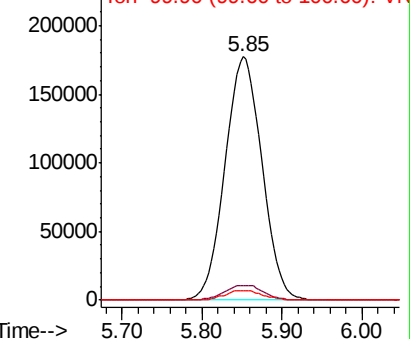
63 100

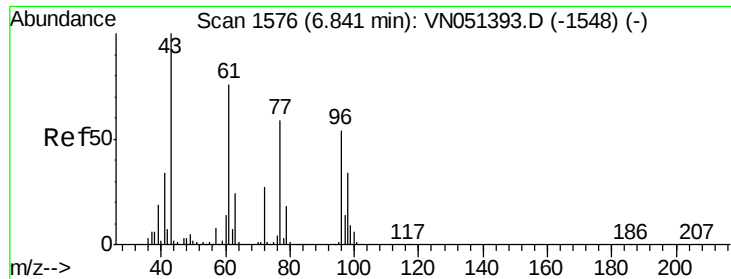
98 6.1 3.4 10.1

100 3.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051393.D (-1241) (-)





#25

2-Butanone

Concen: 231.375 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 509299

Ion Ratio Lower Upper

43 100

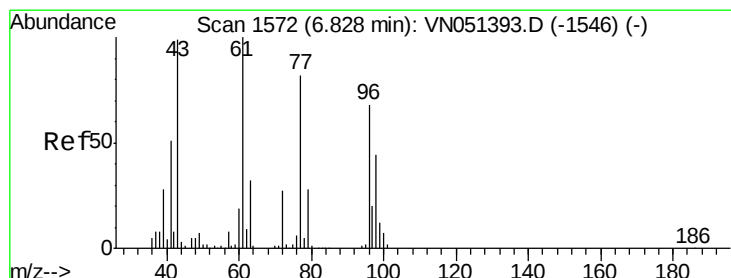
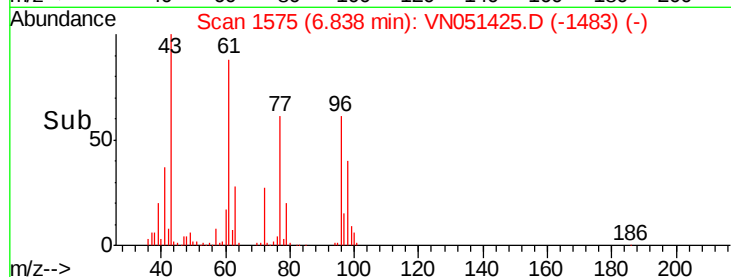
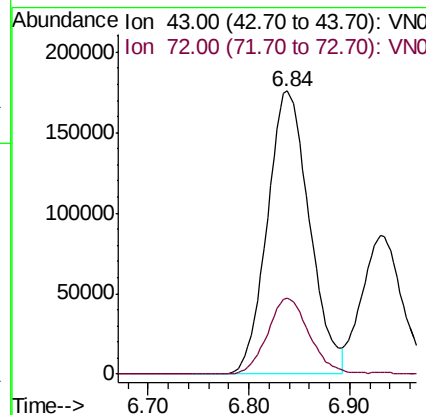
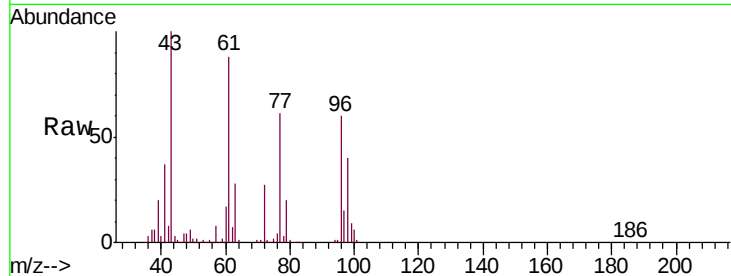
72 26.8 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.591 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051425.D

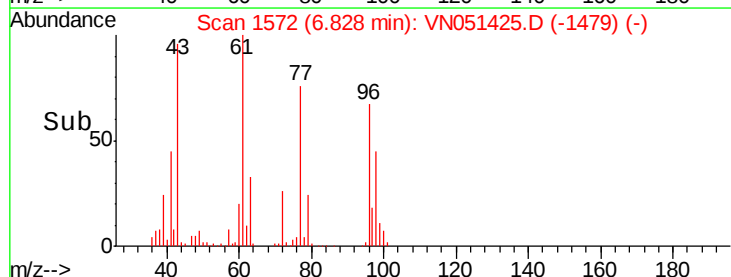
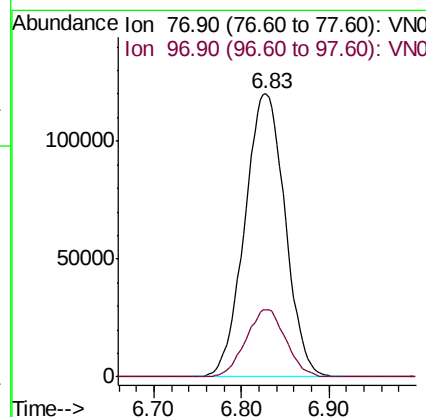
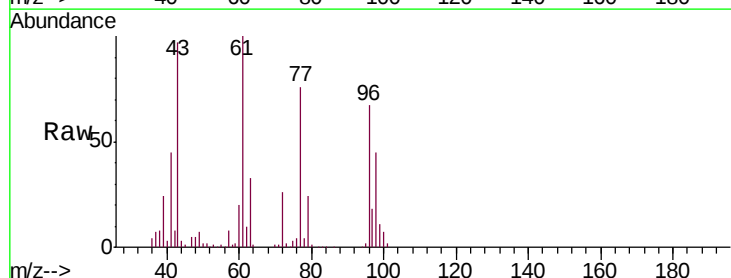
Acq: 23 Sep 2018 20:30

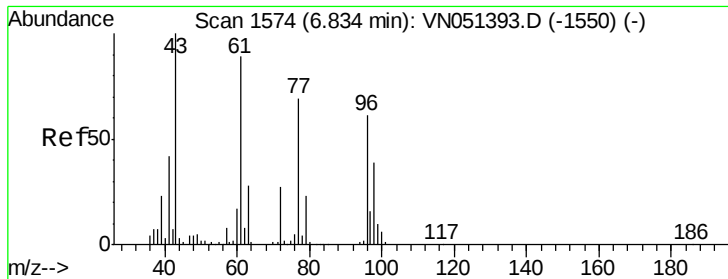
Tgt Ion: 77 Resp: 384722

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.658 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

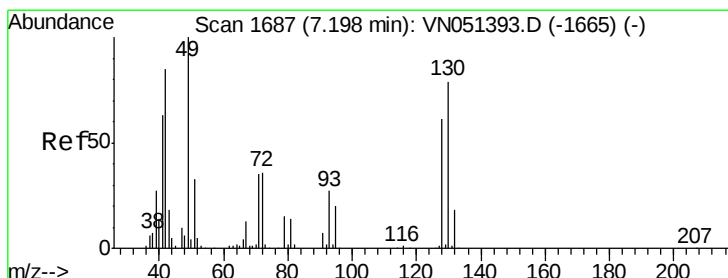
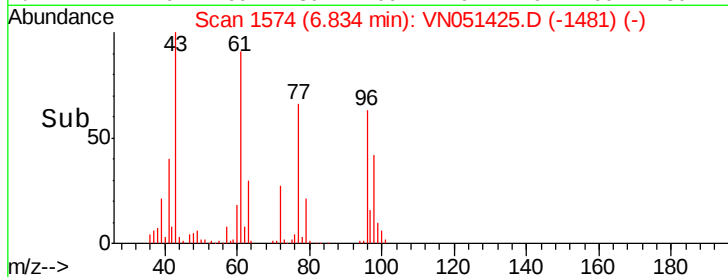
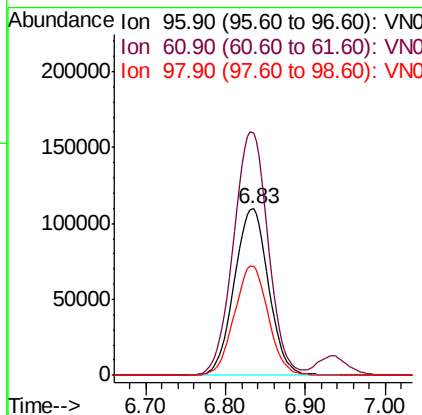
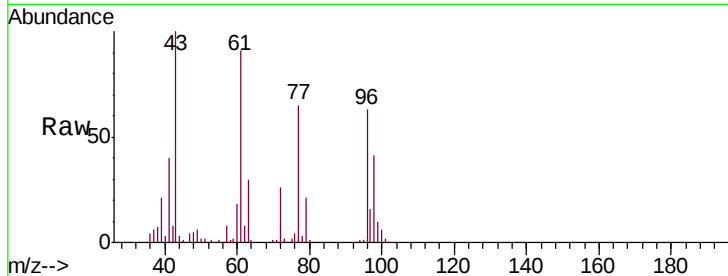
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	318384
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	291.4
98	64.9	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 52.321 ug/l

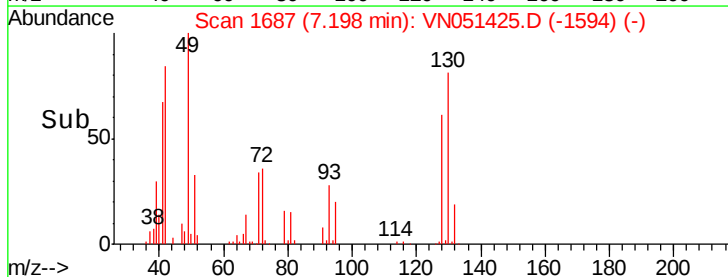
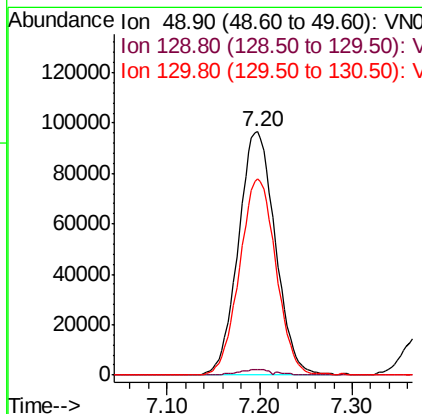
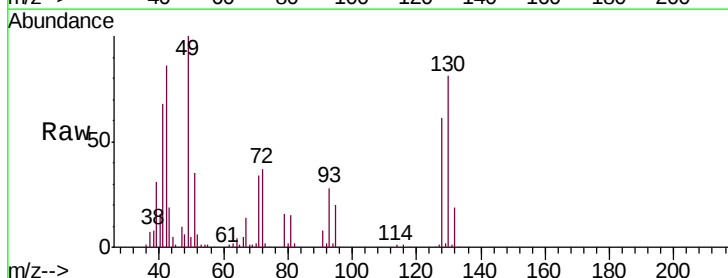
RT: 7.20 min Scan# 1687

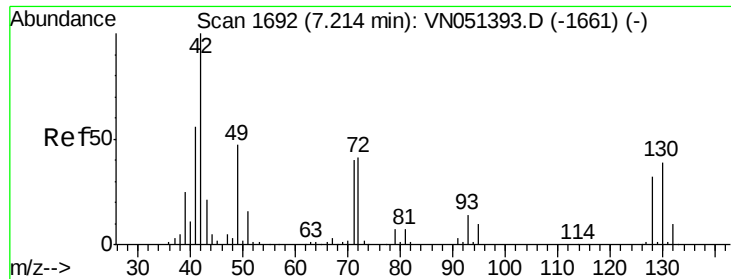
Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Tgt Ion:	49	Resp:	267052
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	79.5	63.0	94.4





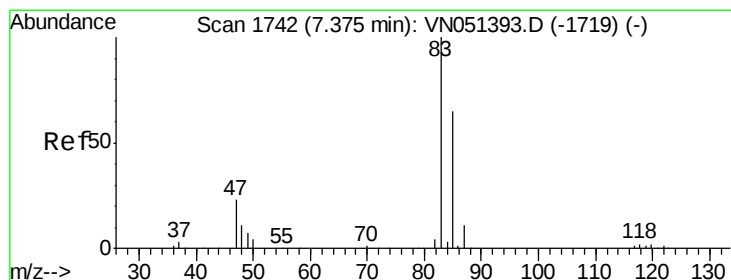
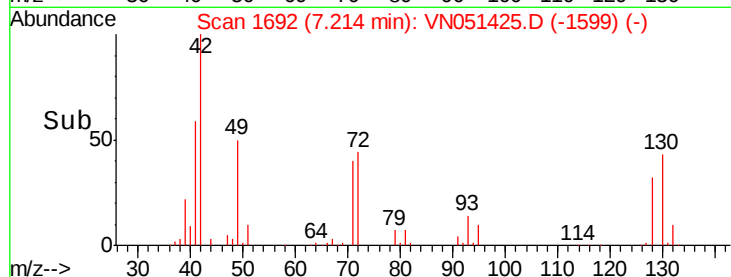
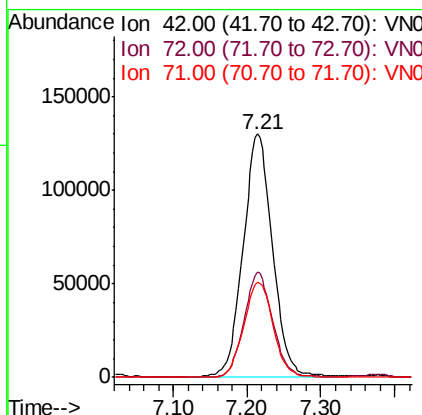
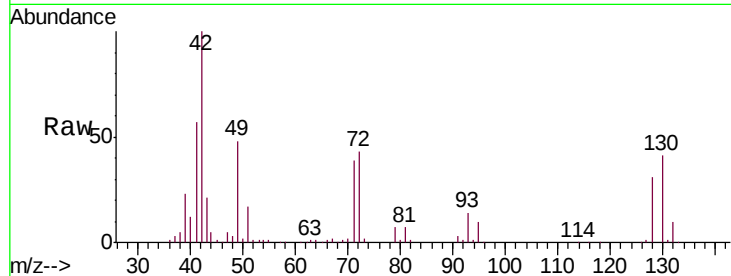
#29
Tetrahydrofuran
Concen: 259.291 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.3	51.5
71	39.2	32.2	48.4

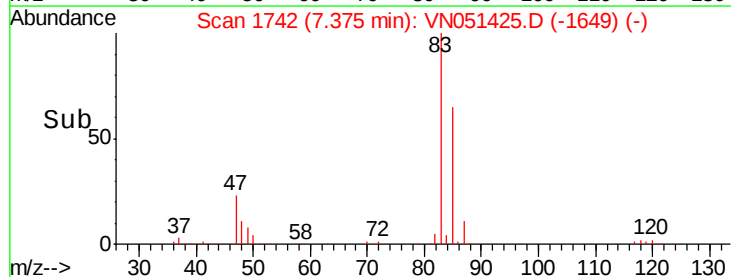
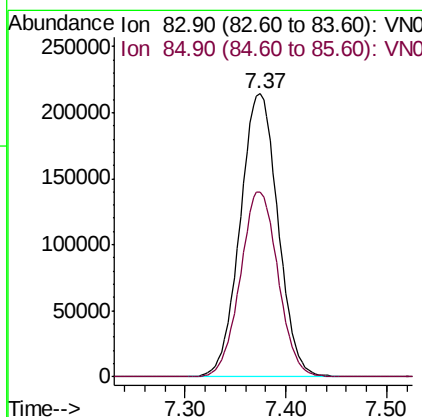
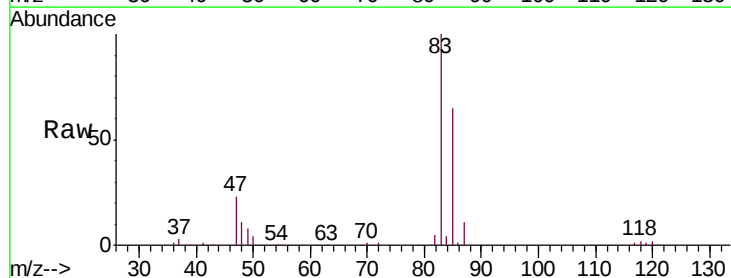
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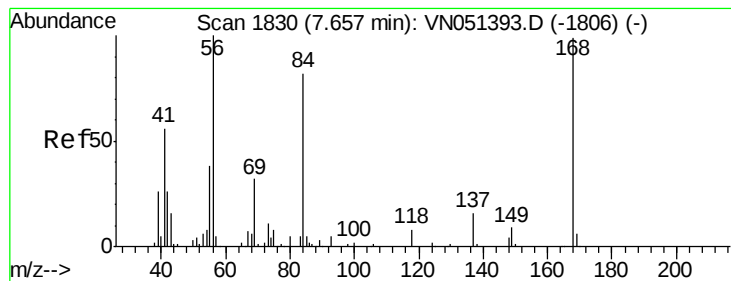
MMDadoda
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#30
Chloroform
Concen: 50.951 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6





#31

Cyclohexane

Concen: 48.683 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 56 Resp: 492994
Ion Ratio Lower Upper

56 100

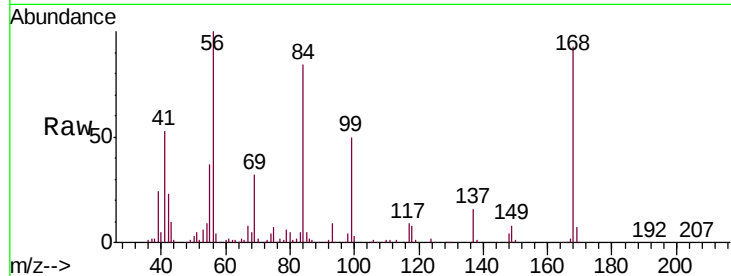
69 31.7 25.8 38.6

84 82.9 66.0 99.0

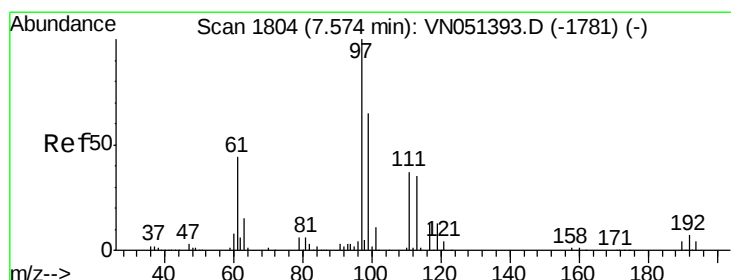
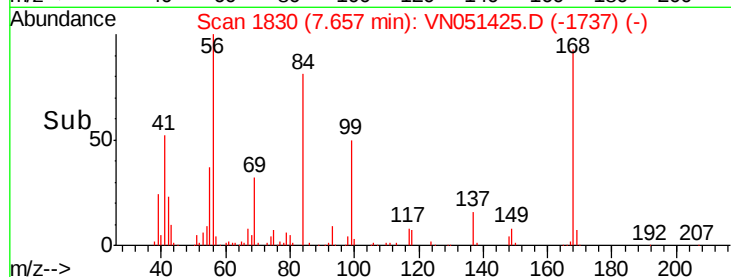
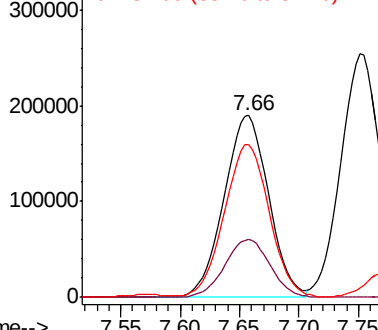
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.419 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051425.D

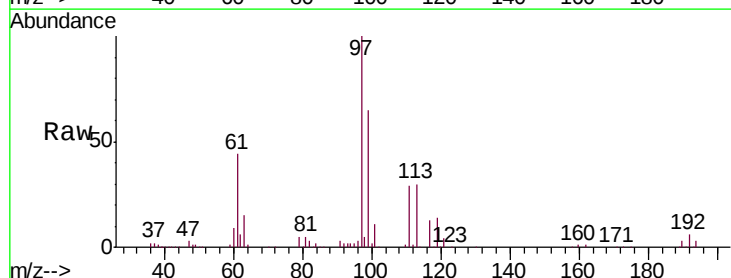
Acq: 23 Sep 2018 20:30

Tgt Ion: 97 Resp: 481423
Ion Ratio Lower Upper

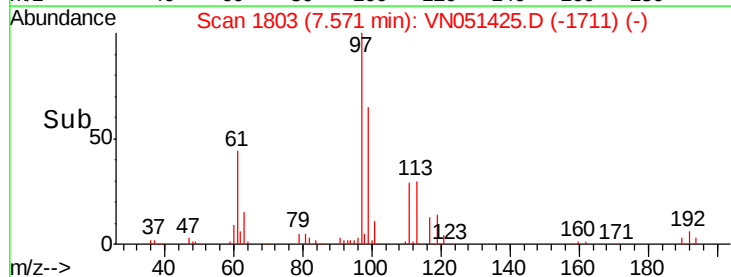
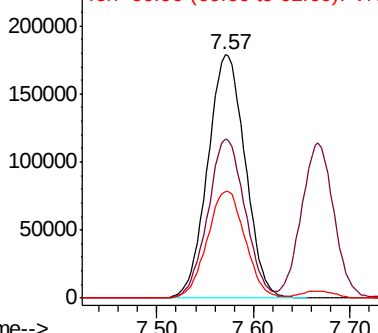
97 100

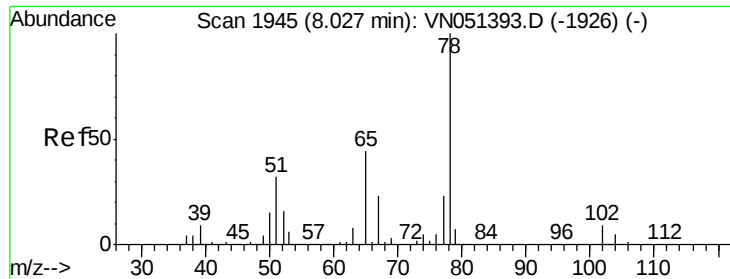
99 64.9 51.4 77.0

61 44.4 35.8 53.8



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





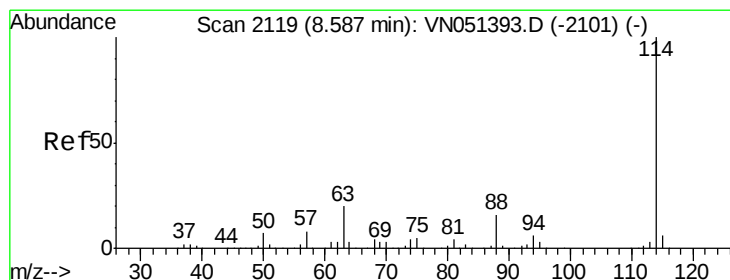
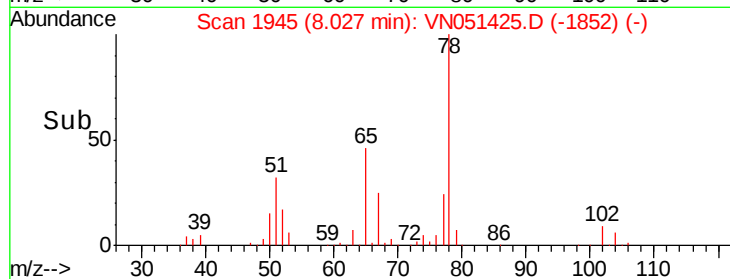
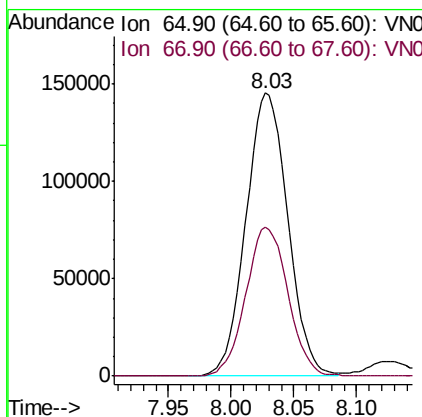
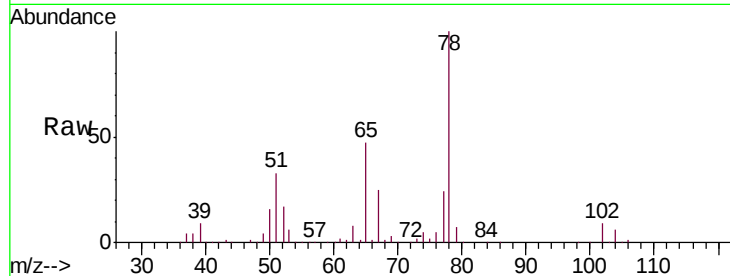
#33
 1,2-Dichloroethane-d4
 Concen: 52.659 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	338656		
67	53.0	0.0	107.8	

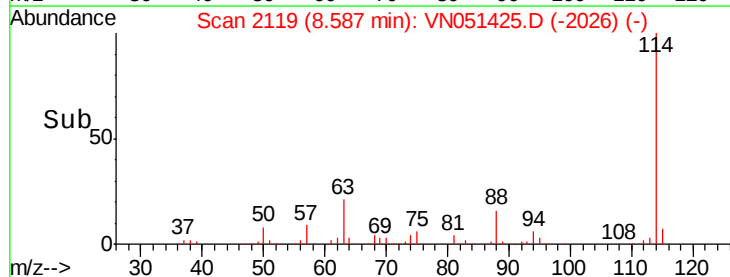
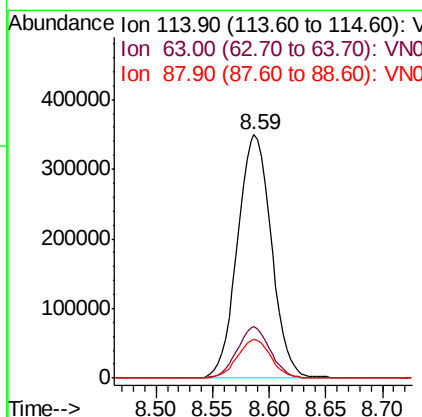
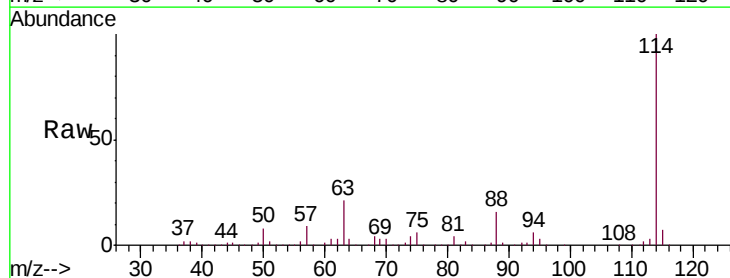
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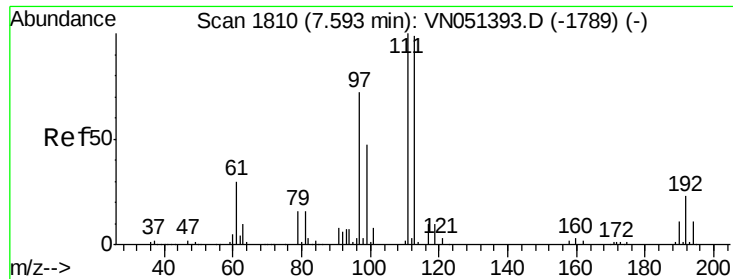
MMDadoda
 9/24/2018 2:15:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	729736		
63	21.1	0.0	40.2	
88	15.7	0.0	31.4	





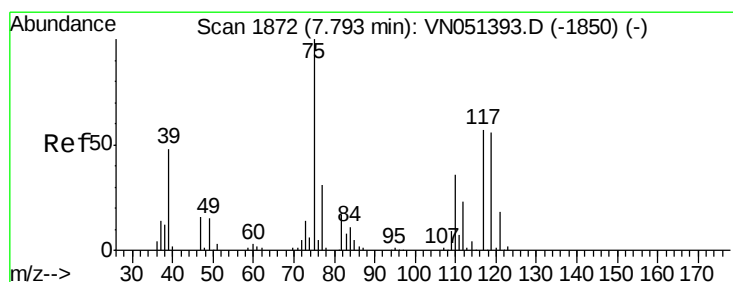
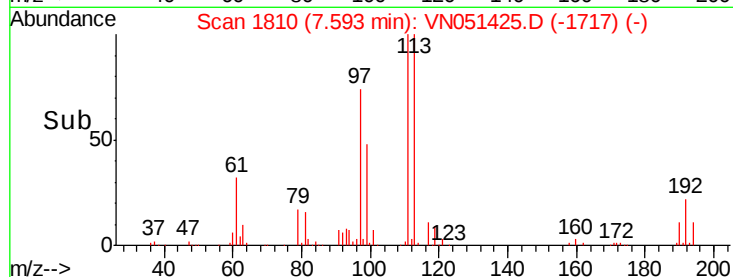
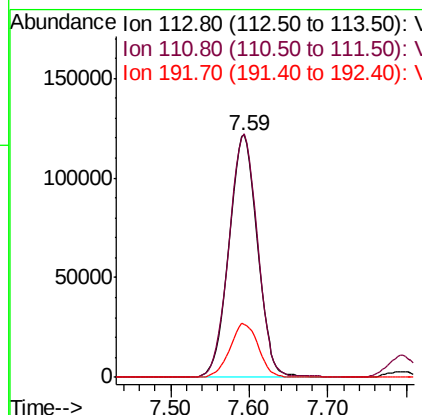
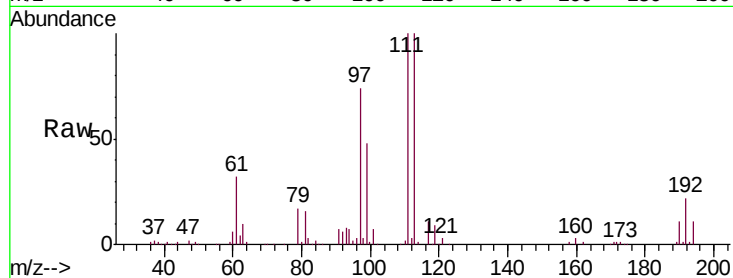
#35
 Dibromofluoromethane
 Concen: 52.159 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	304365		
111	100.7	82.6	123.8	
192	22.1	18.0	27.0	

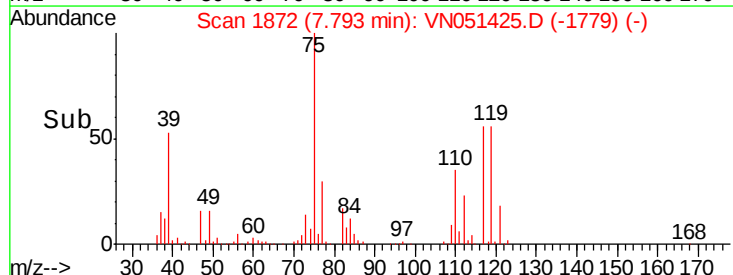
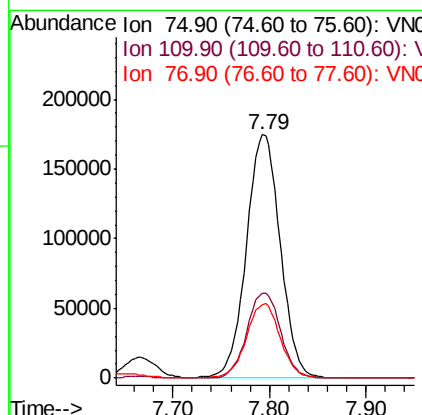
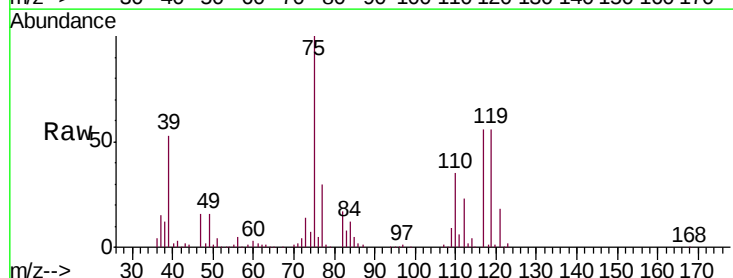
Manual Integrations
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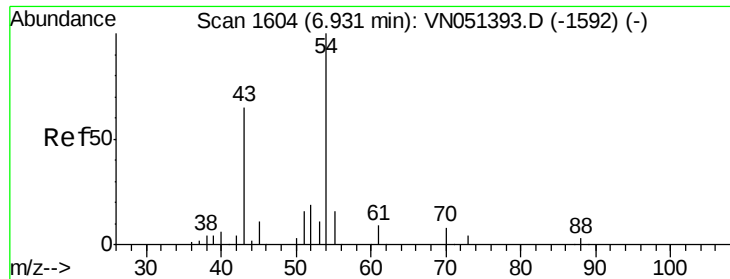
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.046 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	422914		
110	34.9	18.1	54.3	
77	31.0	25.6	38.4	





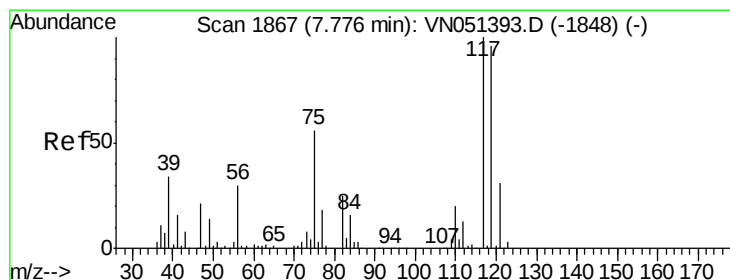
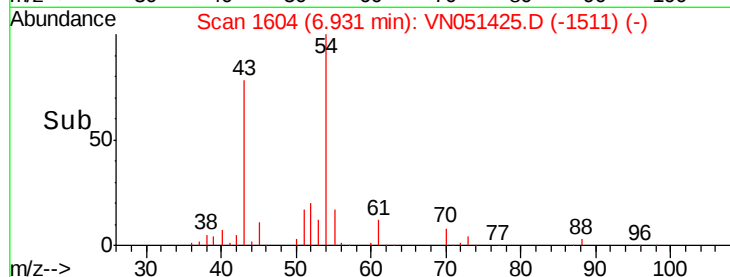
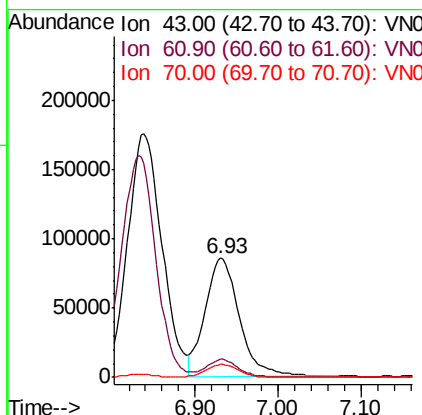
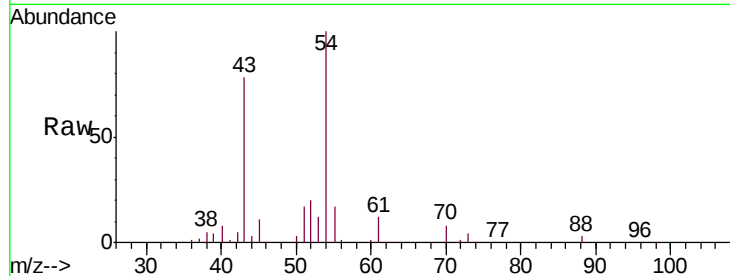
#37
Ethyl Acetate
Concen: 50.769 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.5	7.9	11.9

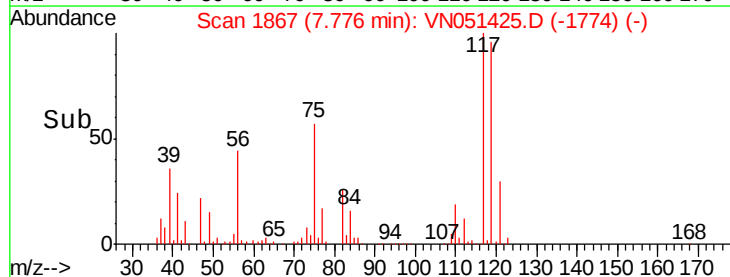
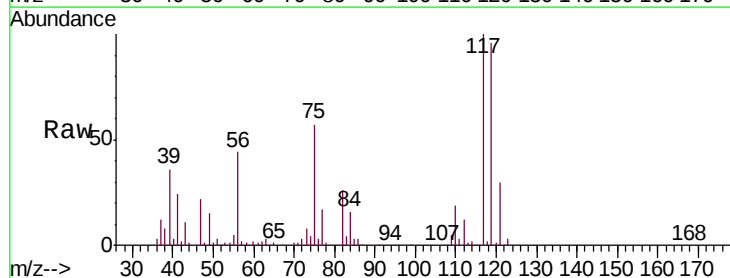
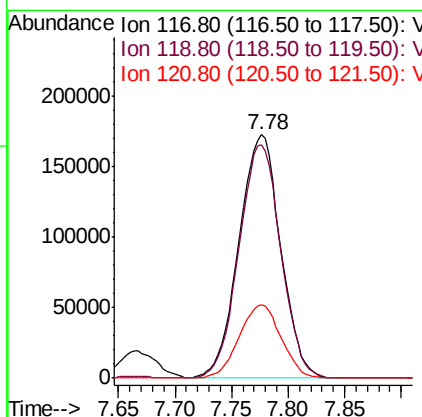
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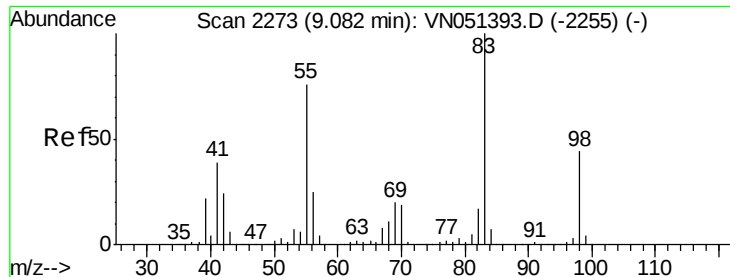
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#38
Carbon Tetrachloride
Concen: 49.687 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.1	24.6	37.0





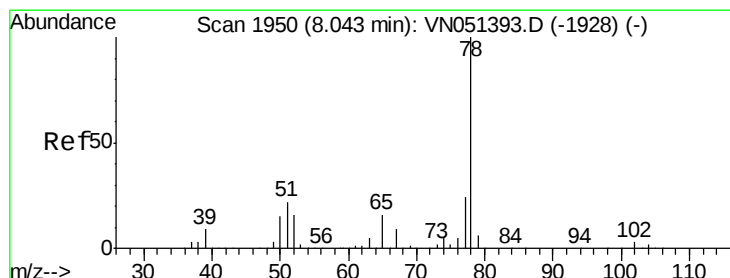
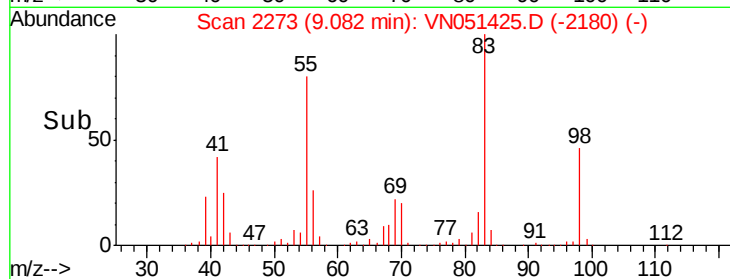
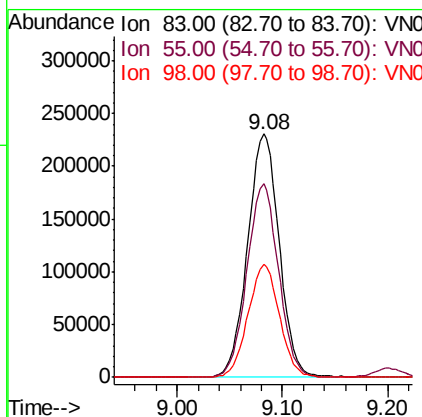
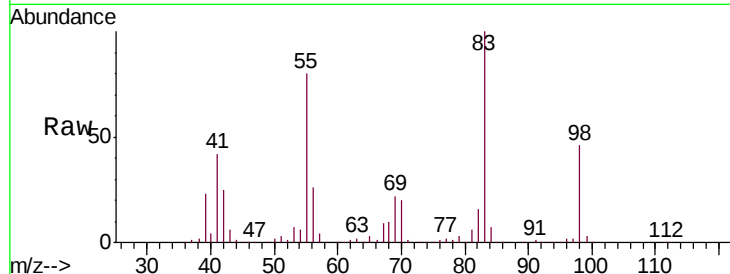
#39
Methylcyclohexane
Concen: 48.855 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.6	61.0	91.4
98	46.3	35.6	53.4

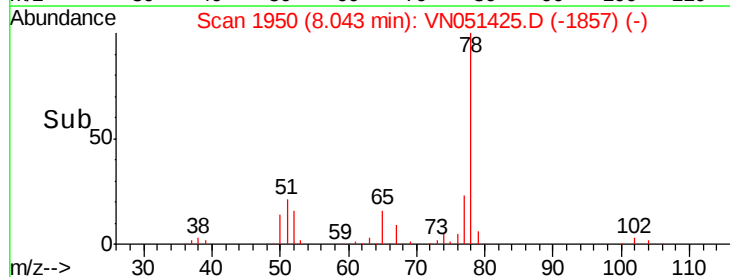
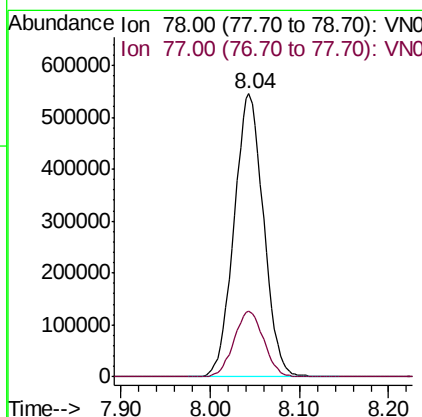
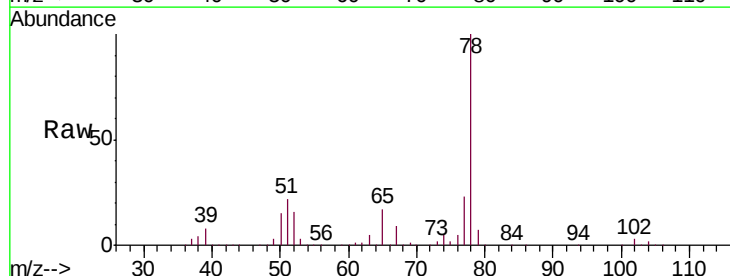
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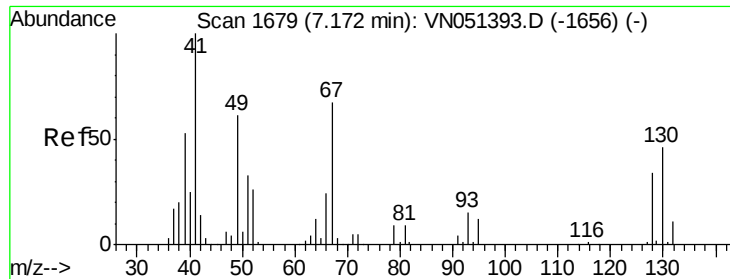
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#40
Benzene
Concen: 50.329 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





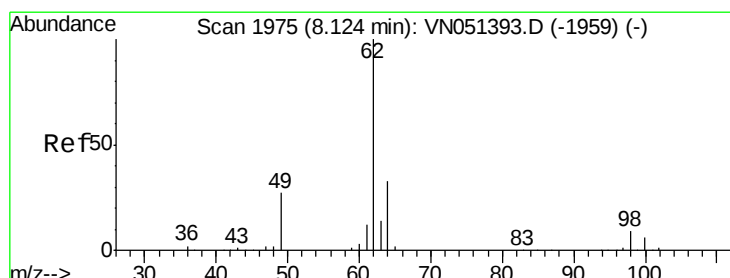
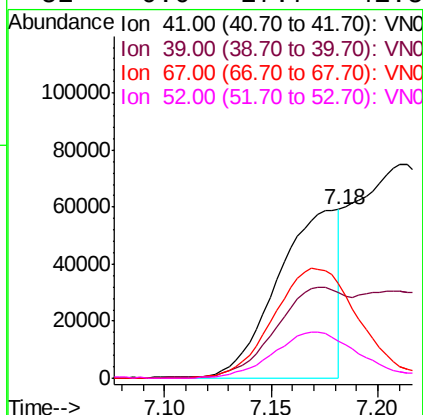
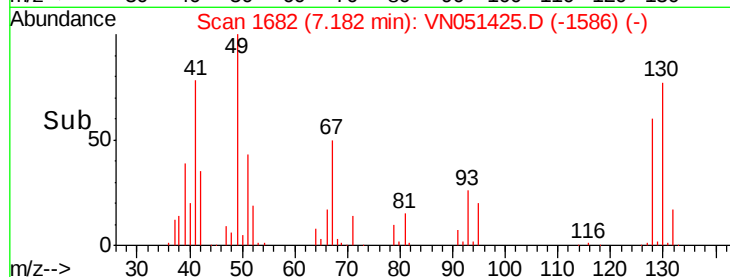
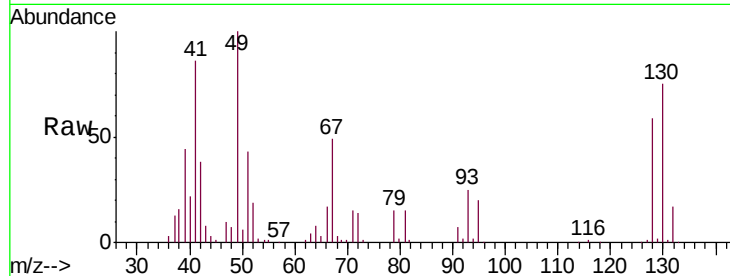
#41
Methacrylonitrile
Concen: 44.369 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 119265
Ion Ratio Lower Upper
41 100
39 0.0 51.4 77.2#
67 0.0 66.8 100.2#
52 0.0 27.7 41.5#

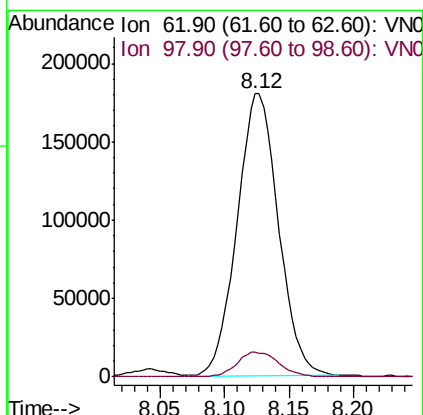
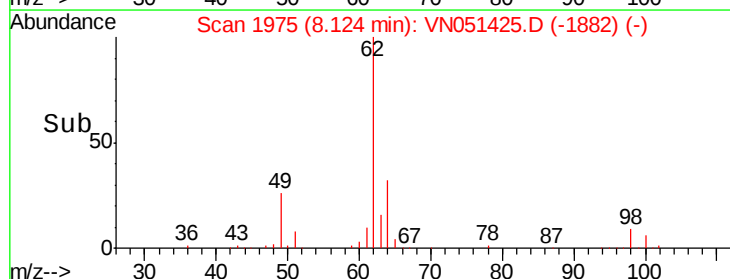
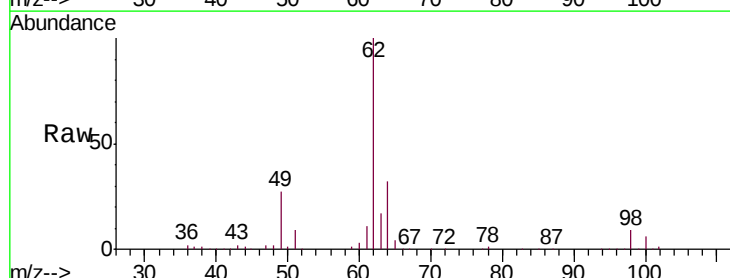
Manual Integrations
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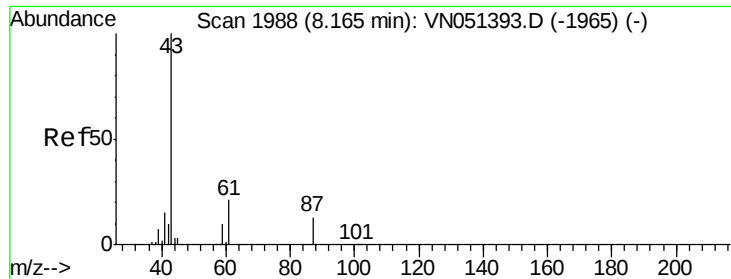
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.668 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 62 Resp: 402557
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.6





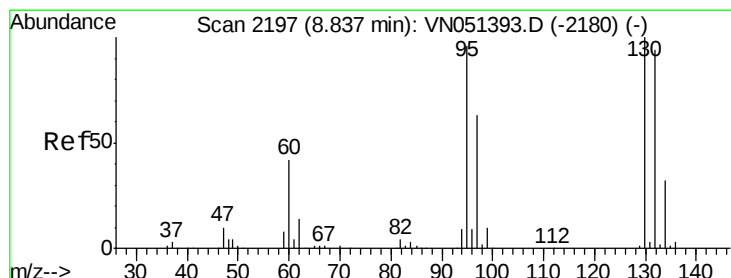
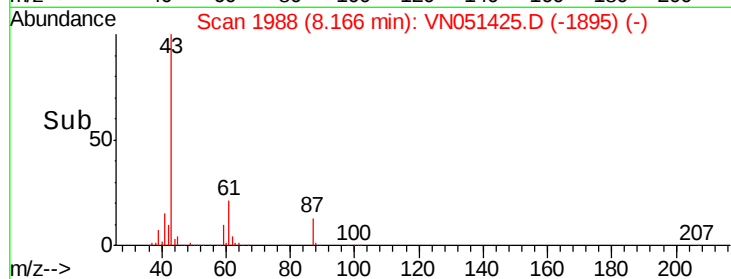
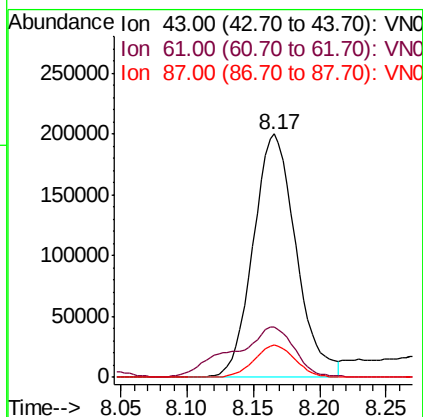
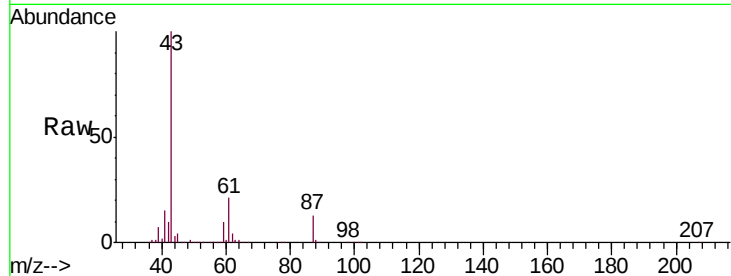
#43
Isopropyl Acetate
Concen: 51.125 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.0	16.8	25.2#
87	12.9	10.7	16.1

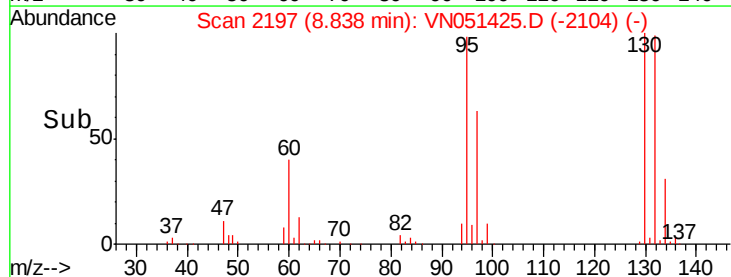
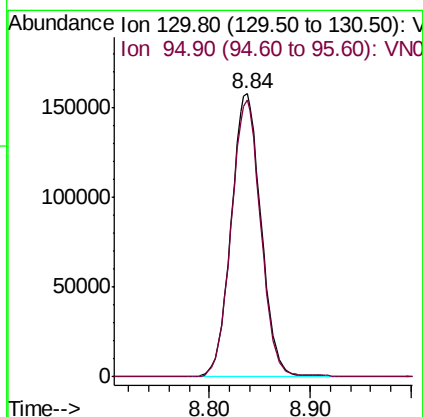
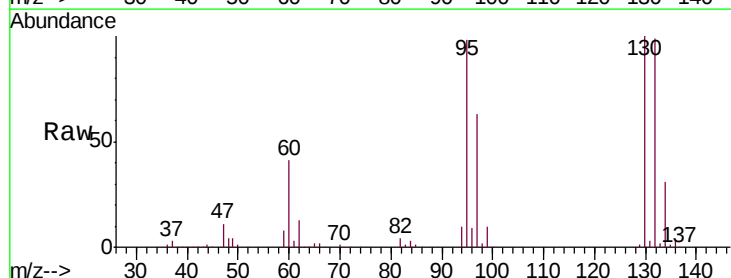
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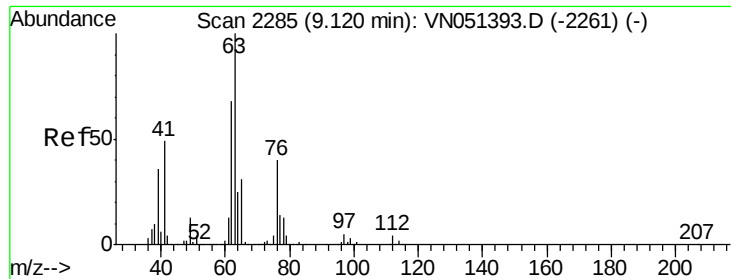
MMDadoda
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#44
Trichloroethene
Concen: 49.055 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	192.2





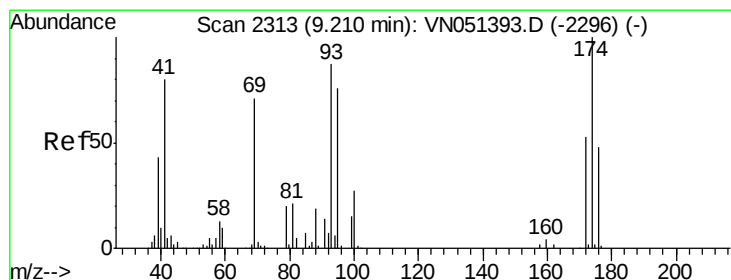
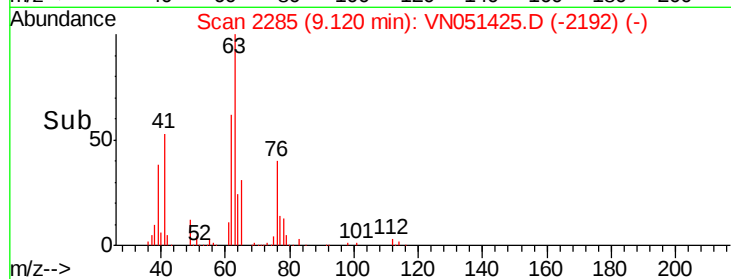
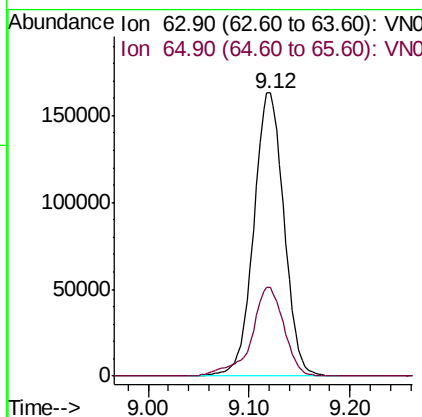
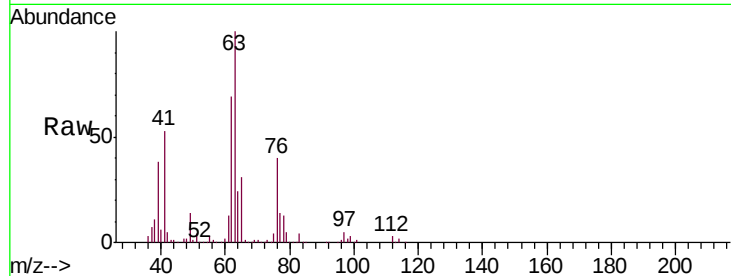
#45
 1,2-Dichloropropane
 Concen: 50.172 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 338402
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3

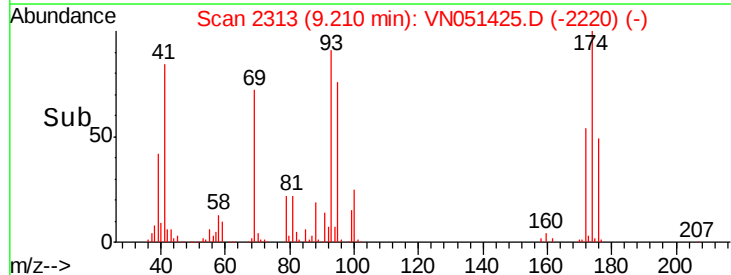
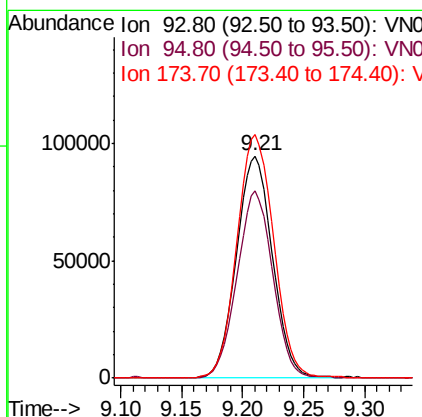
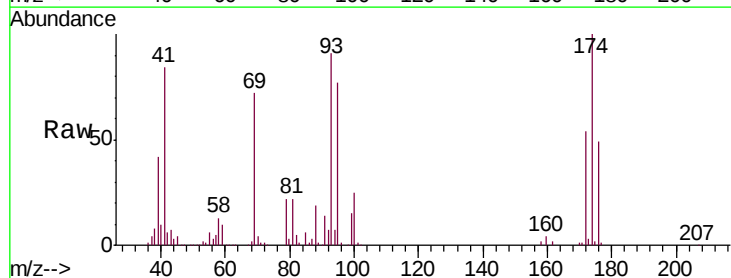
Manual Integrations
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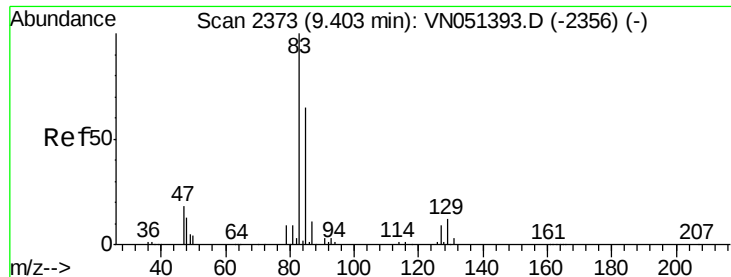
MMDadoda
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#46
 Dibromomethane
 Concen: 50.886 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion: 93 Resp: 193924
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.6 101.4
 174 112.1 89.6 134.4





#47

Bromodichloromethane

Concen: 51.306 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

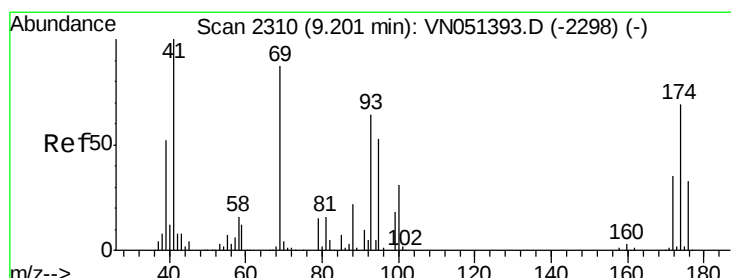
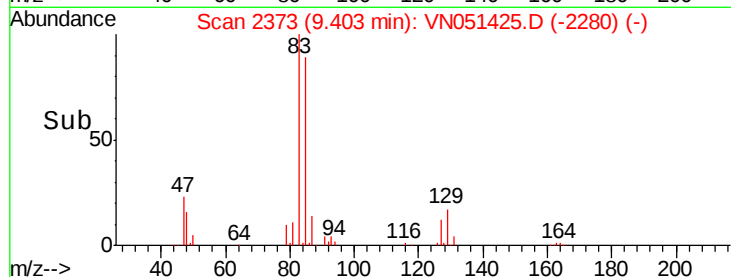
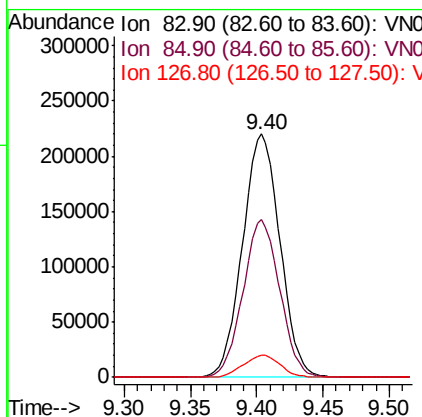
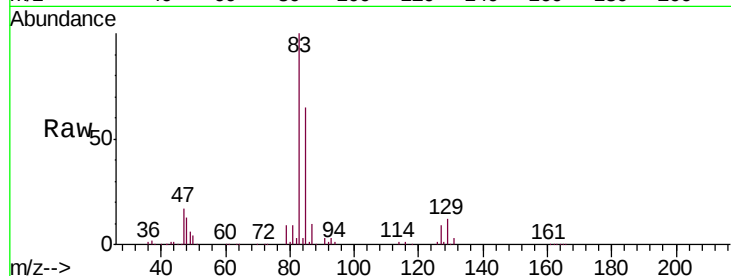
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	432689
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6
127	9.0	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.953 ug/l

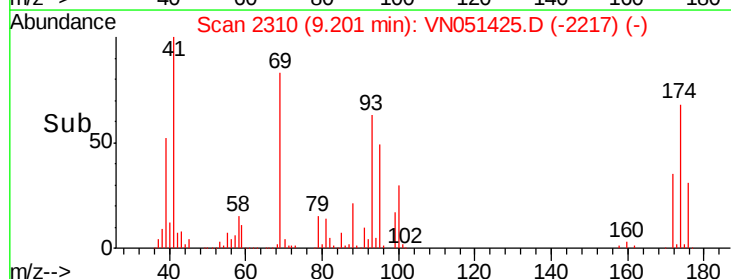
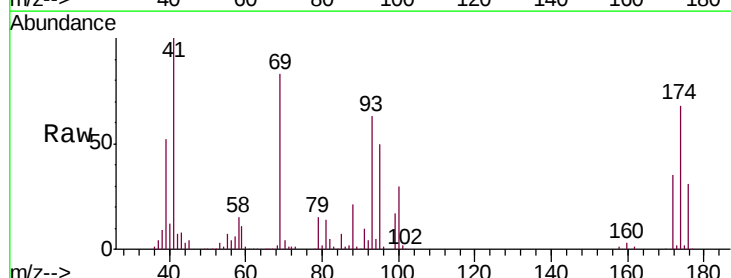
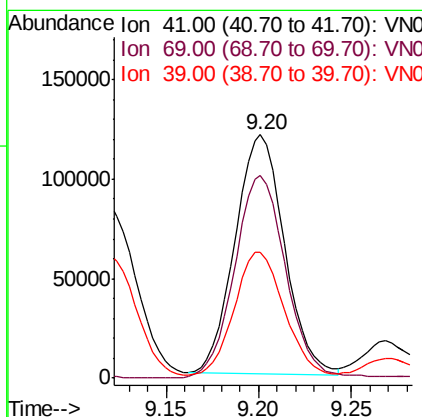
RT: 9.20 min Scan# 2310

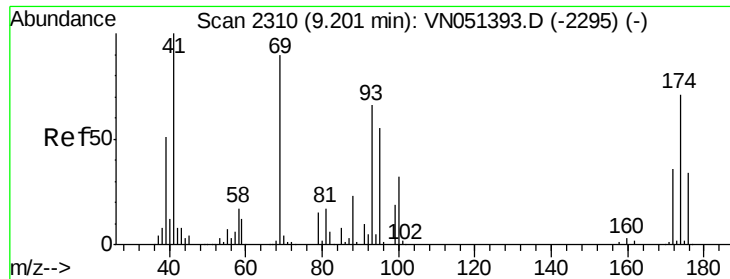
Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Tgt Ion:	41	Resp:	223191
Ion	Ratio	Lower	Upper
41	100		
69	87.4	70.4	105.6
39	53.6	43.8	65.8





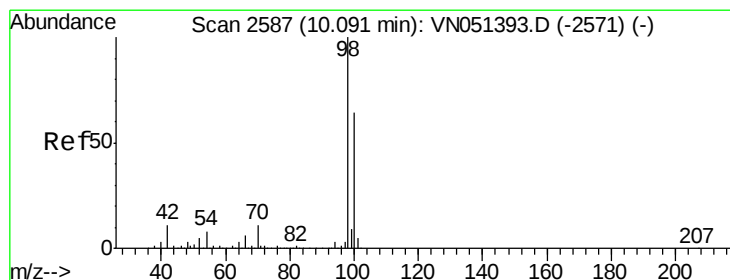
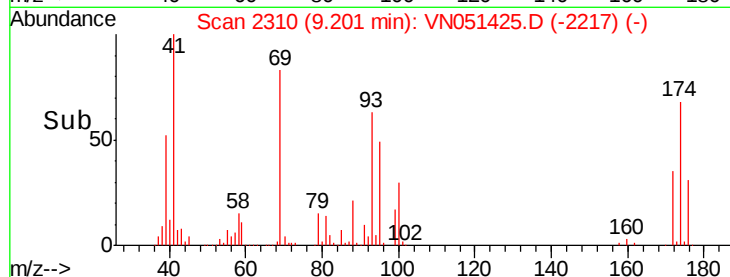
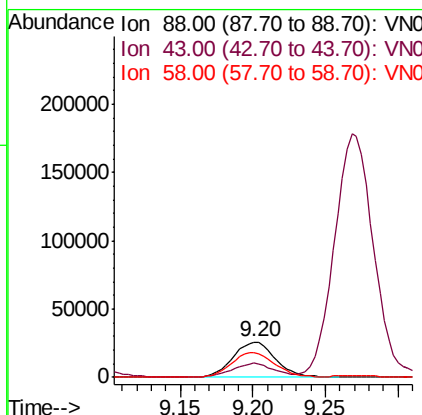
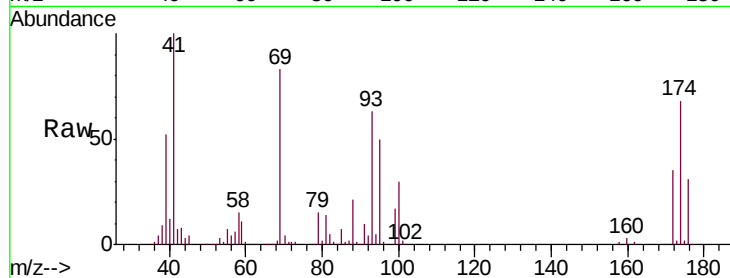
#49
1,4-Dioxane
Concen: 988.182 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.6	25.9	38.9
58	71.1	57.0	85.4

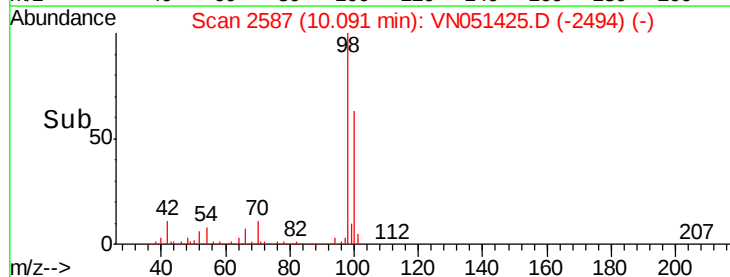
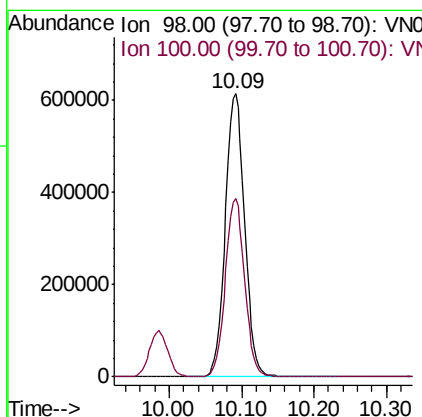
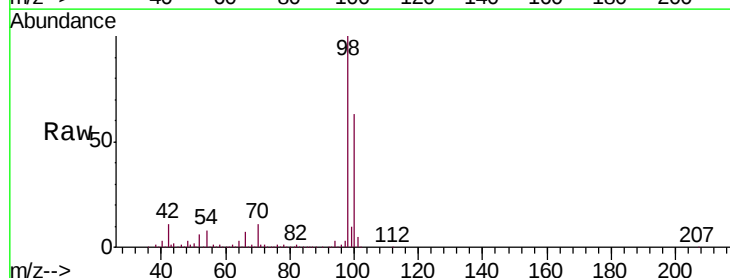
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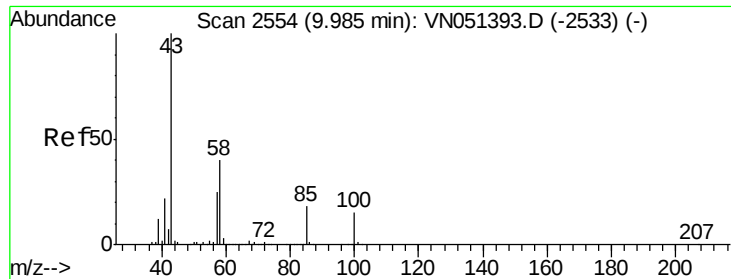
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#50
Toluene-d8
Concen: 51.722 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.6	75.8





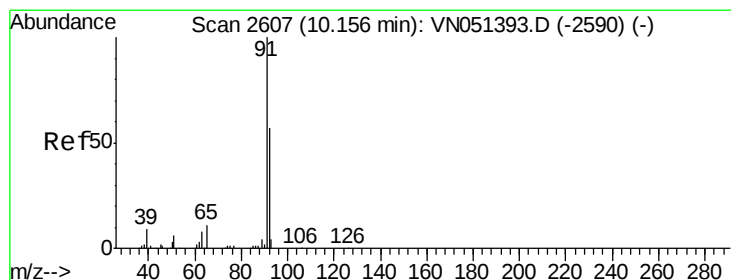
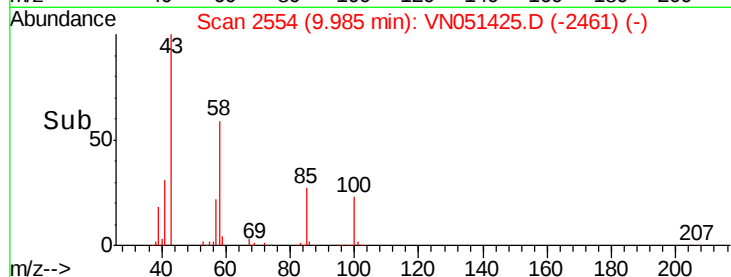
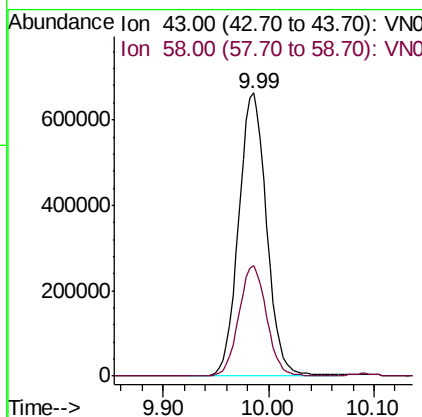
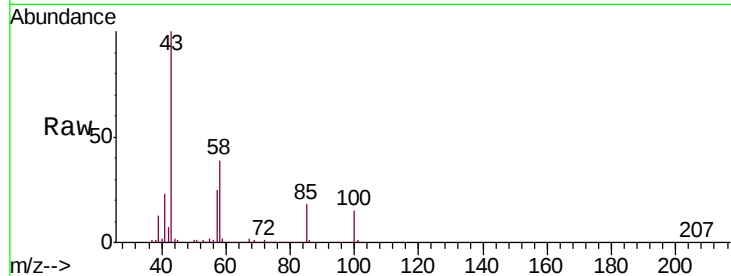
#51
4-Methyl-2-Pentanone
Concen: 251.631 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1215856
Ion Ratio Lower Upper
43 100
58 38.9 31.5 47.3

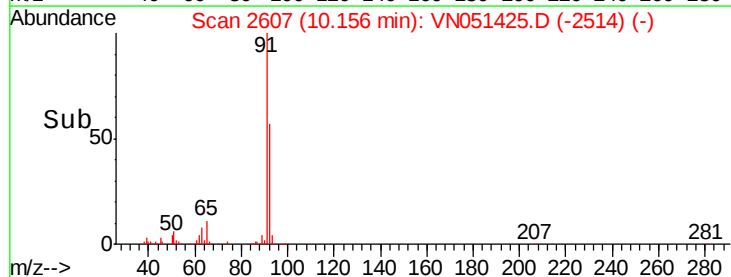
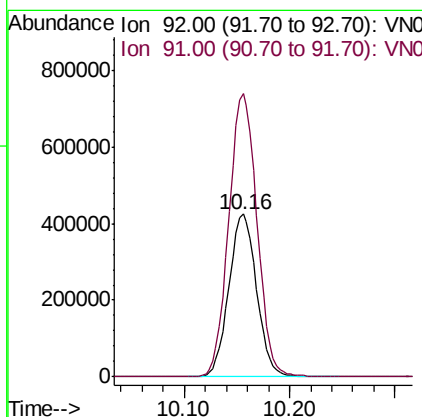
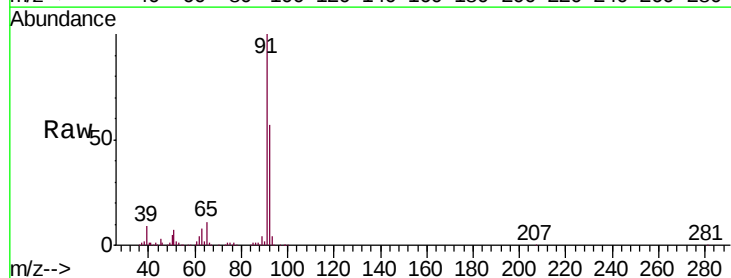
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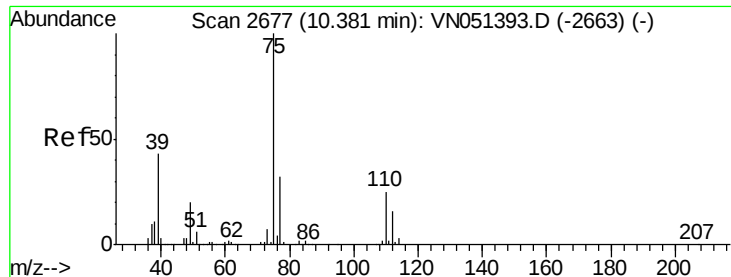
MMDadoda
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#52
Toluene
Concen: 50.131 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 92 Resp: 773028
Ion Ratio Lower Upper
92 100
91 177.0 142.2 213.4





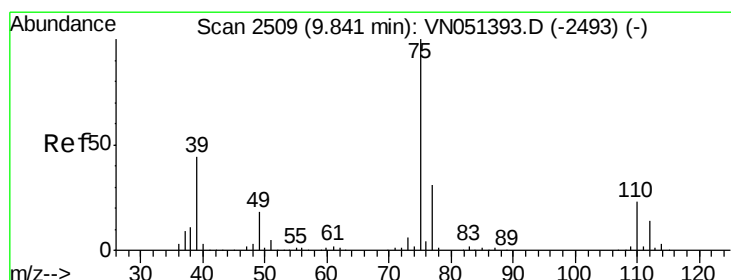
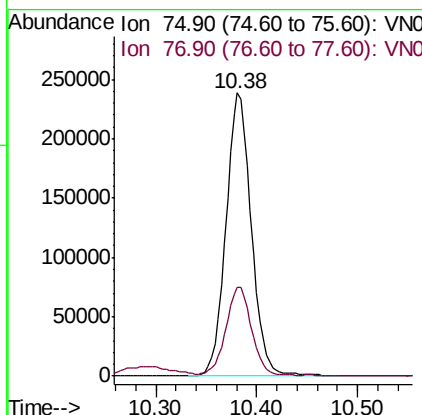
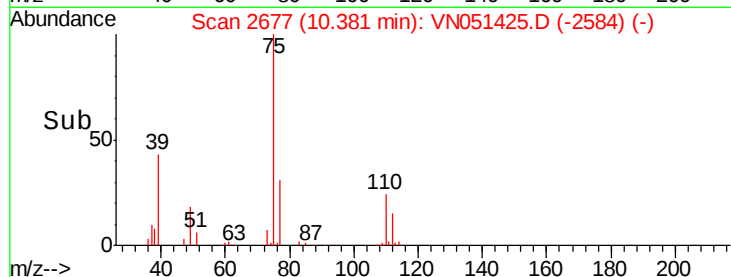
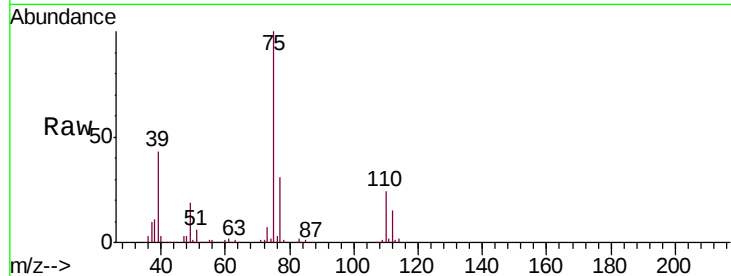
#53
t-1,3-Dichloropropene
Concen: 49.235 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 75 Resp: 419207
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.8

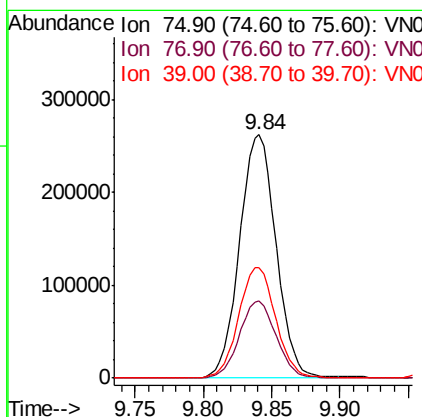
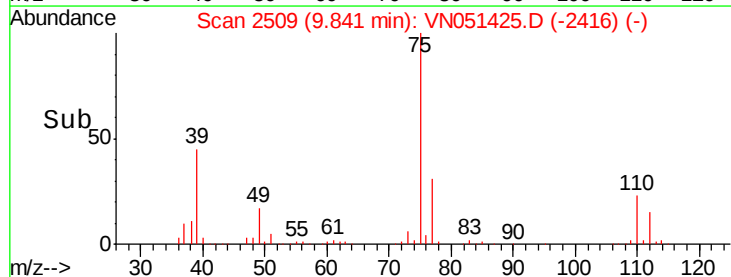
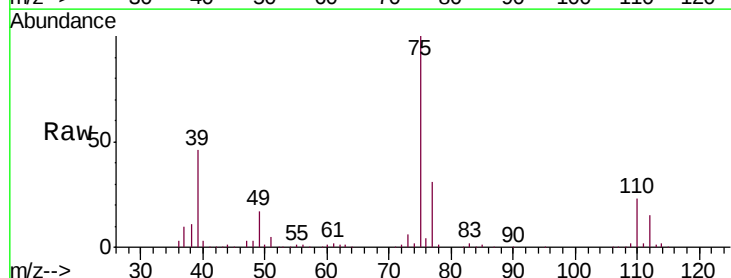
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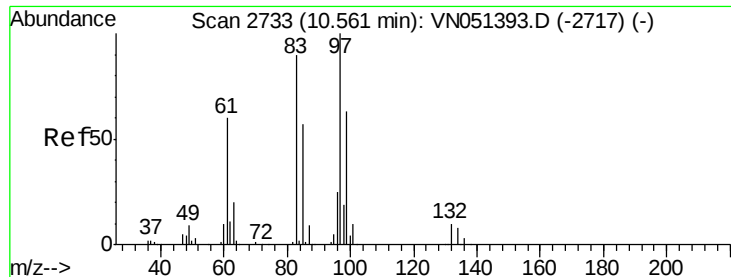
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#54
cis-1,3-Dichloropropene
Concen: 49.361 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 75 Resp: 487390
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 45.4 35.4 53.2





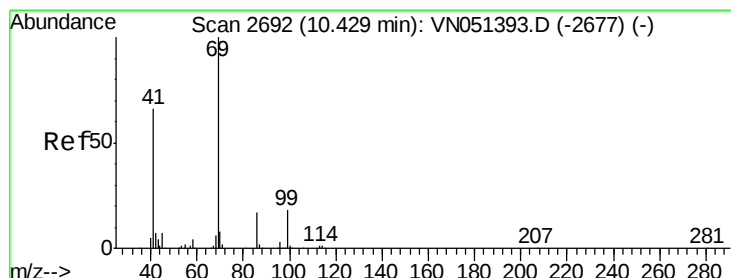
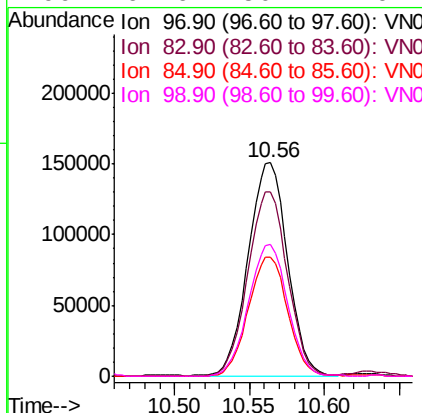
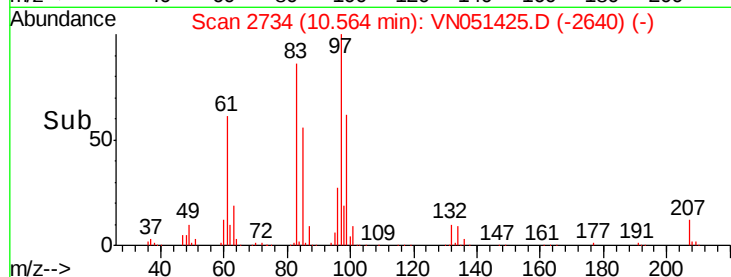
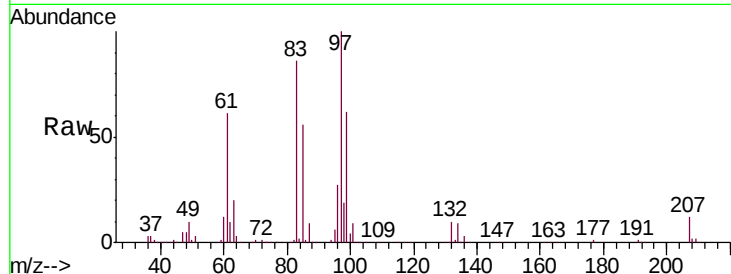
#55
 1,1,2-Trichloroethane
 Concen: 50.897 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	277368
Ion	Ratio	Lower	Upper
97	100		
83	86.4	72.0	108.0
85	55.8	45.2	67.8
99	61.6	50.7	76.1

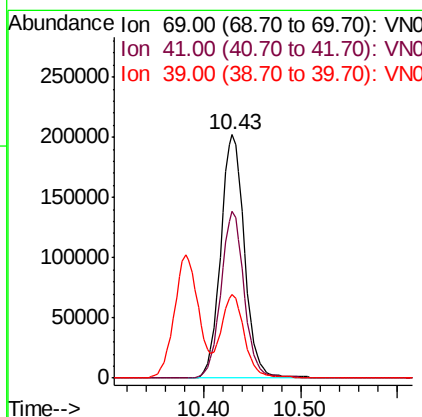
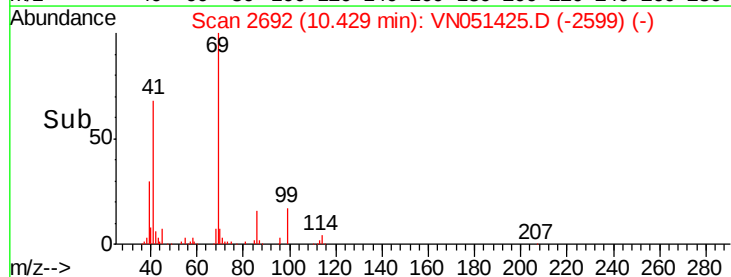
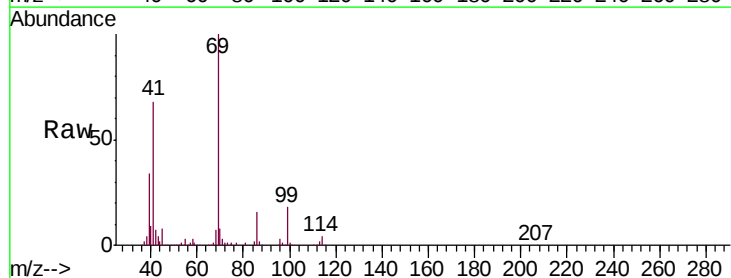
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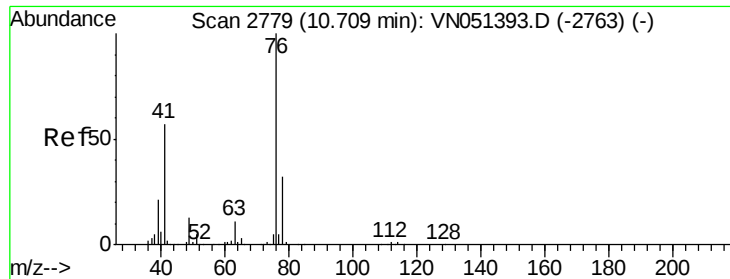
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#56
 Ethyl methacrylate
 Concen: 51.666 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion:	69	Resp:	344247
Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.4	78.6
39	34.0	26.3	39.5





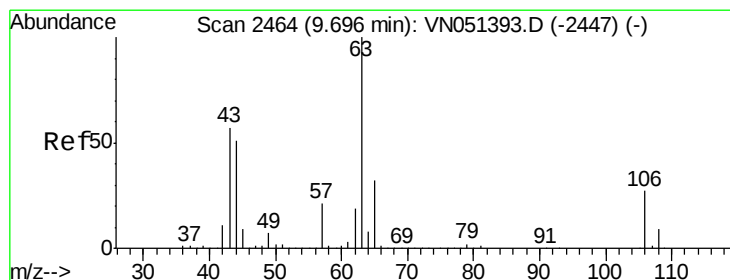
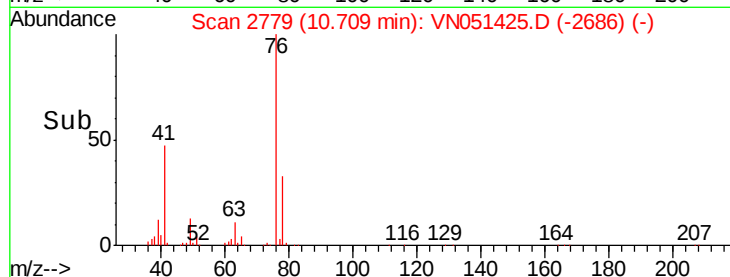
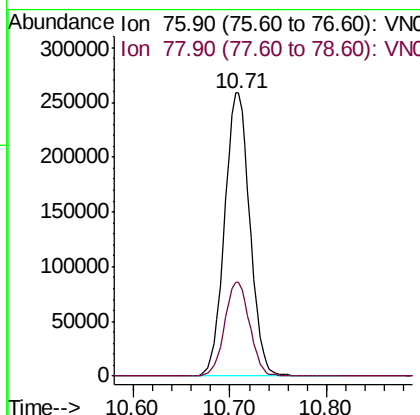
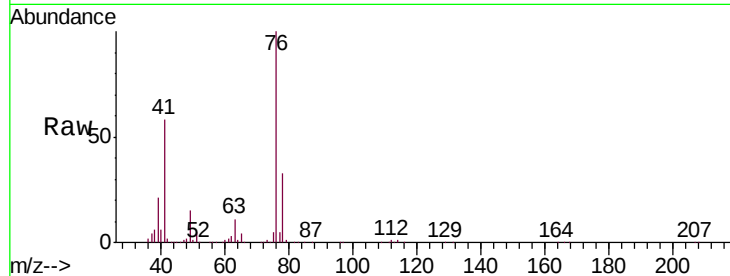
#57
 1,3-Dichloropropane
 Concen: 50.156 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 468491
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3

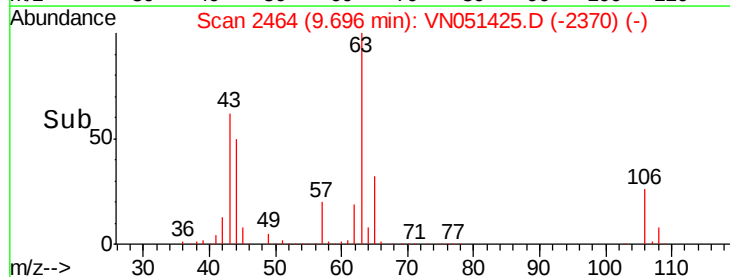
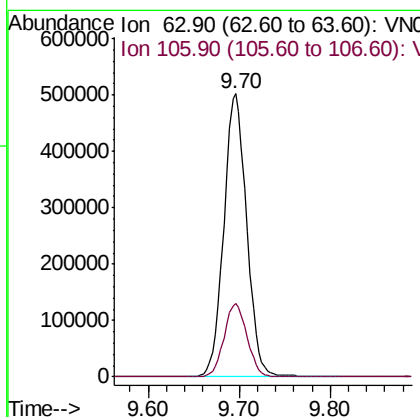
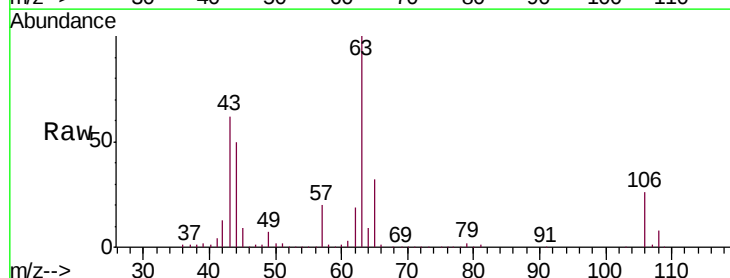
Manual Integrations
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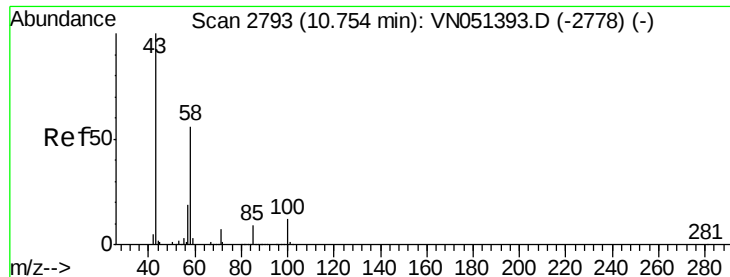
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#58
 2-Chloroethyl Vinyl ether
 Concen: 243.920 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion: 63 Resp: 877590
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.4 32.2





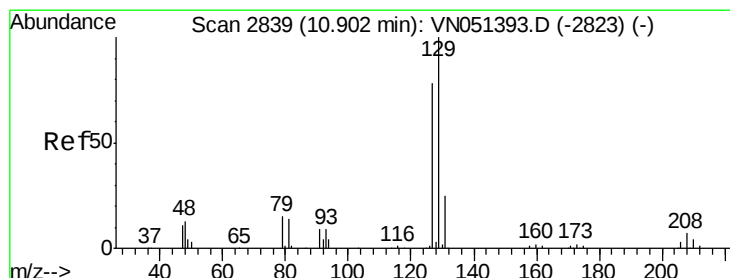
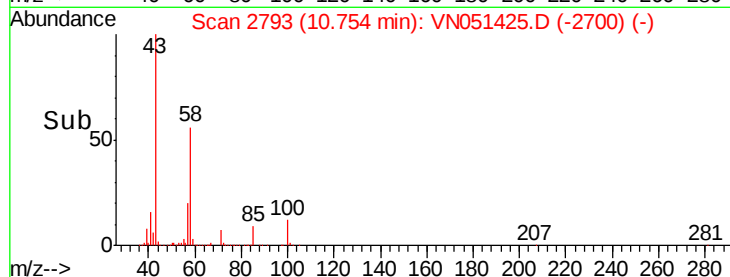
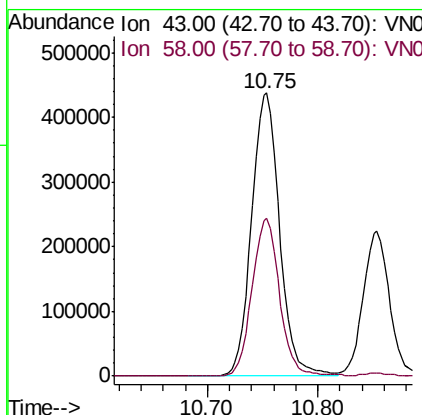
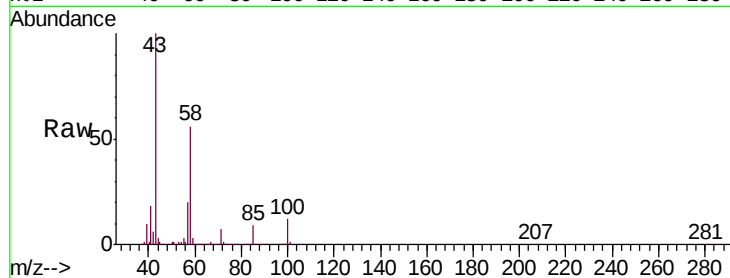
#59
2-Hexanone
Concen: 245.426 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 768757
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.0

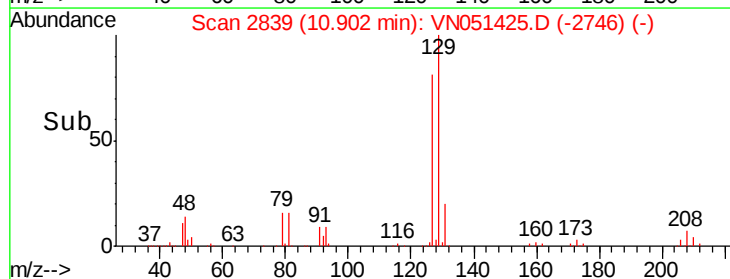
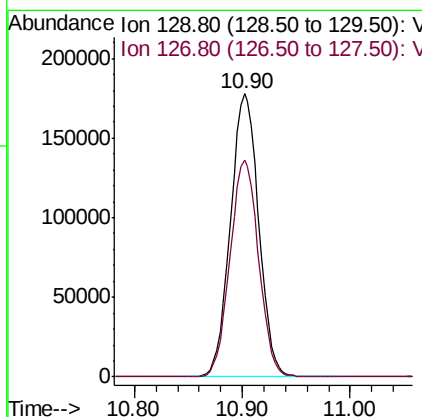
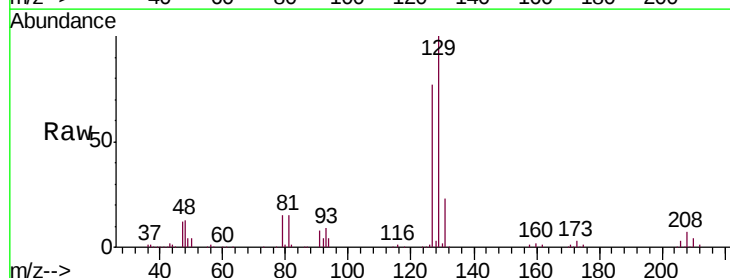
Manual Integrations
APPROVED

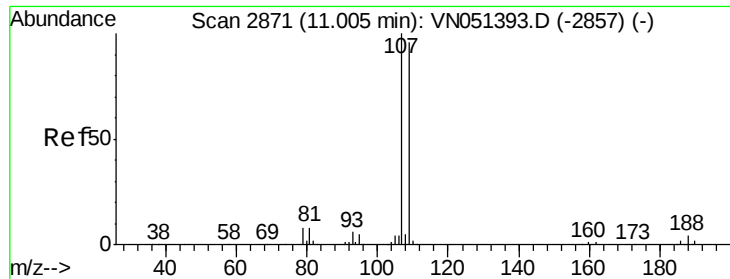
MMDadoda
9/24/2018 2:15:27 PM



#60
Dibromochloromethane
Concen: 50.531 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 129 Resp: 324912
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





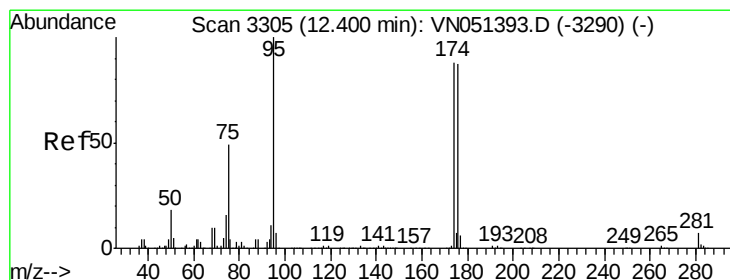
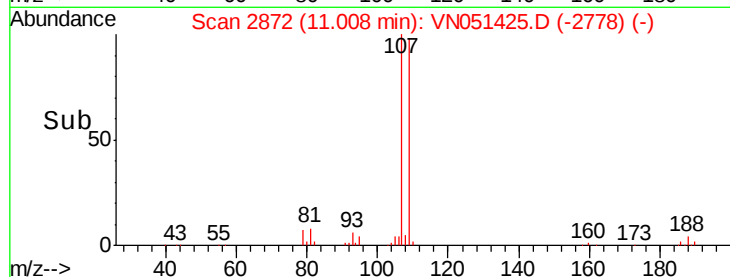
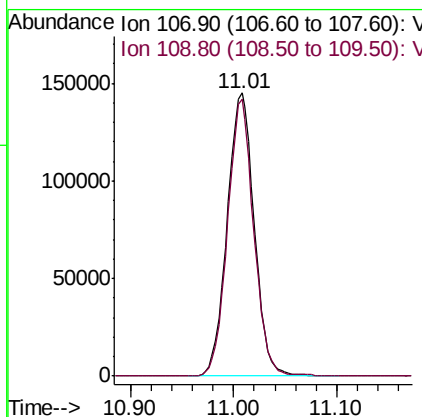
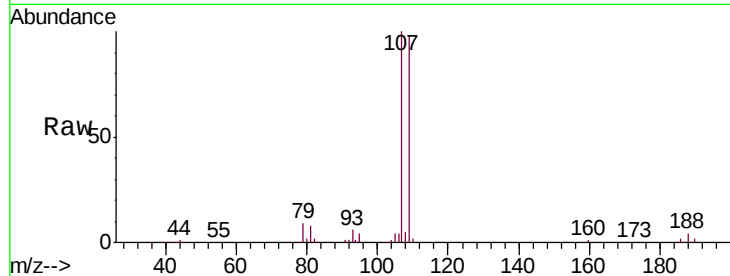
#61
 1,2-Dibromoethane
 Concen: 50.074 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	264906		
109	94.6	76.3	114.5	

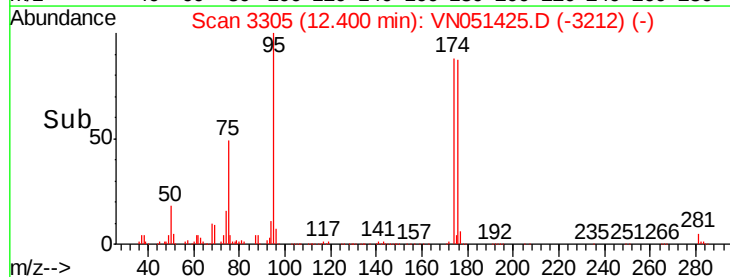
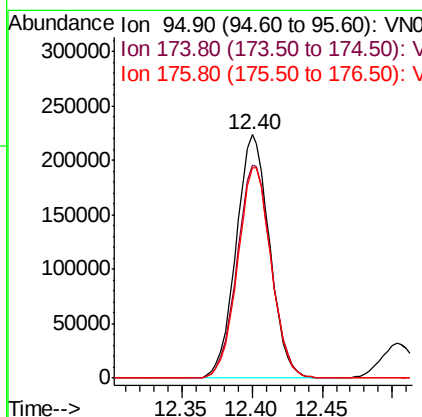
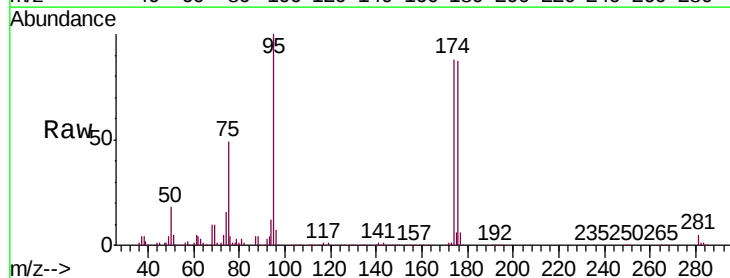
Manual Integrations
 APPROVED

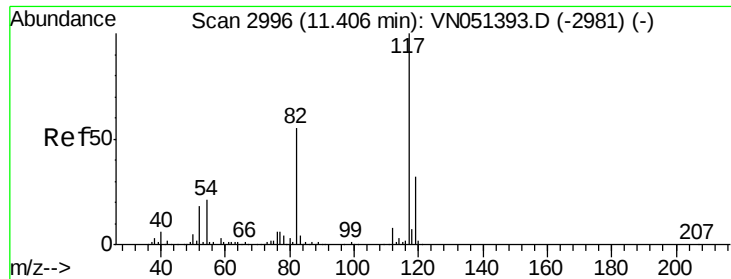
MMDadoda
 9/24/2018 2:15:27 PM



#62
 4-Bromofluorobenzene
 Concen: 52.231 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	371284		
174	89.4	0.0	181.6	
176	86.7	0.0	176.4	





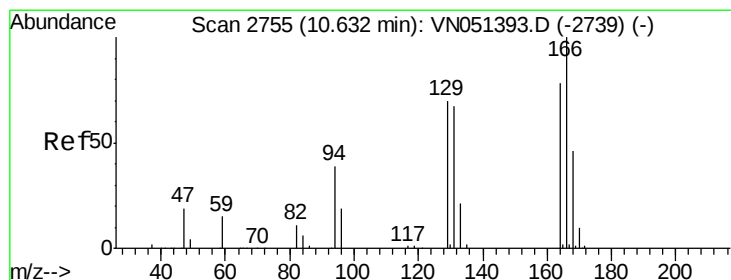
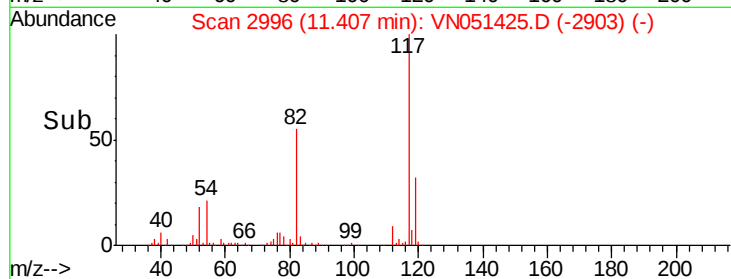
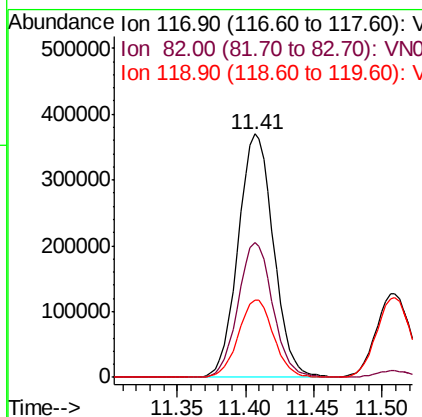
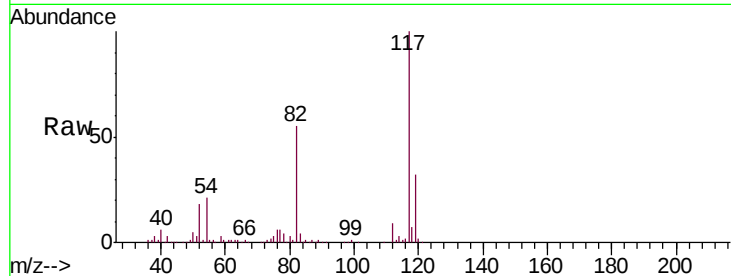
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	665344		
82	55.4	44.2	66.2	
119	32.0	25.9	38.9	

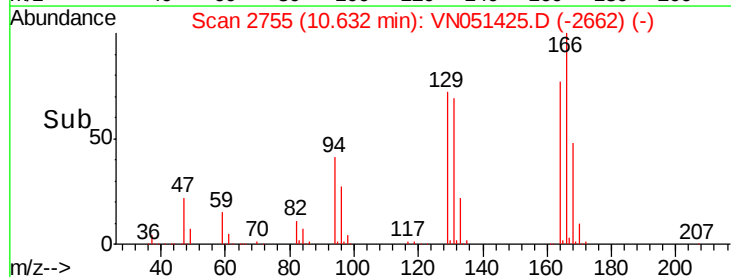
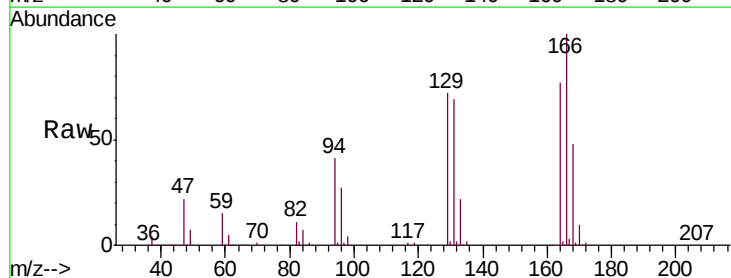
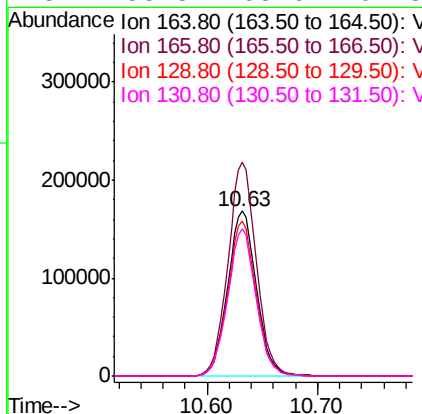
Manual Integrations
APPROVED

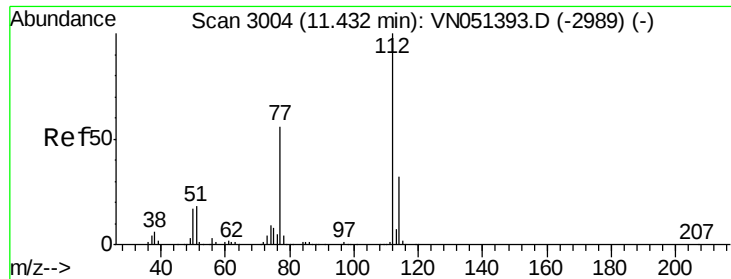
MMDadoda
9/24/2018 2:15:27 PM



#64
Tetrachloroethene
Concen: 50.214 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	303211		
166	129.4	102.3	153.5	
129	93.5	71.8	107.8	
131	88.8	68.6	102.8	





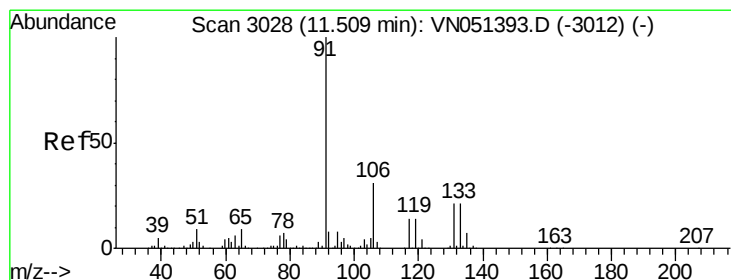
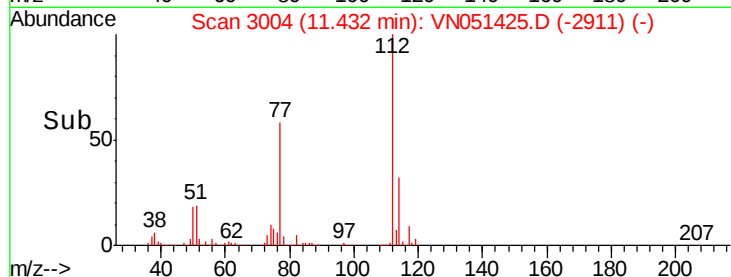
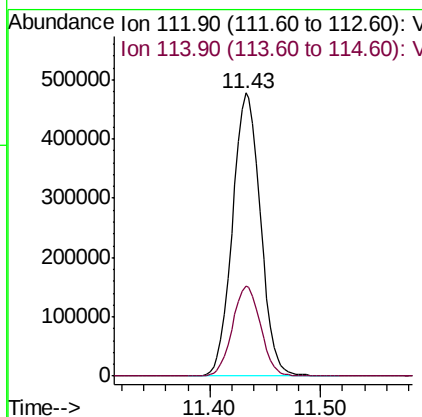
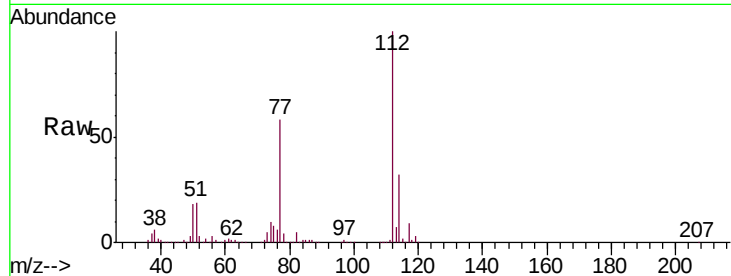
#65
Chlorobenzene
Concen: 49.262 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 840933
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

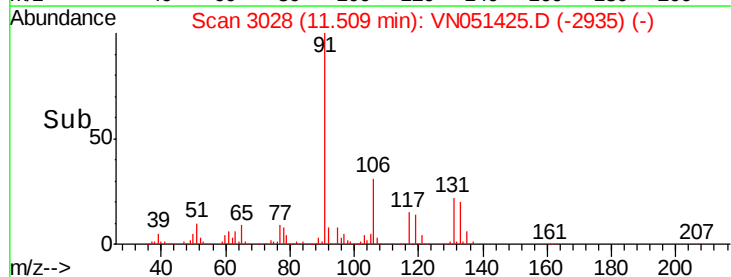
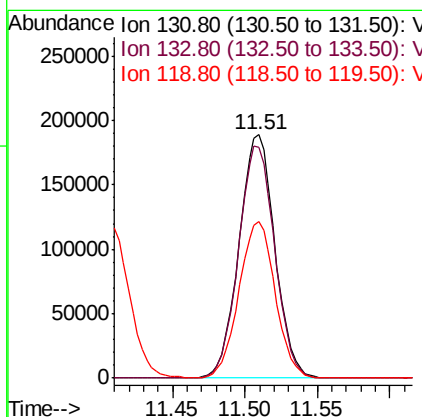
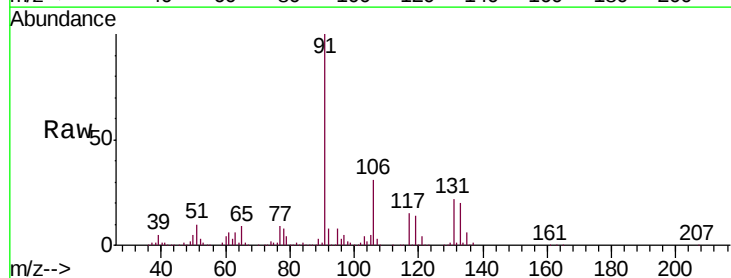
Manual Integrations
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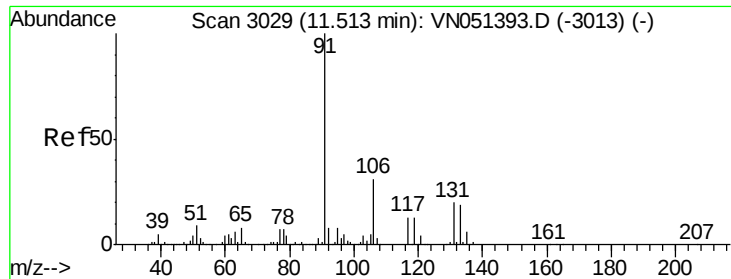
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.923 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion:131 Resp: 324685
Ion Ratio Lower Upper
131 100
133 96.2 48.3 144.8
119 65.1 32.8 98.4





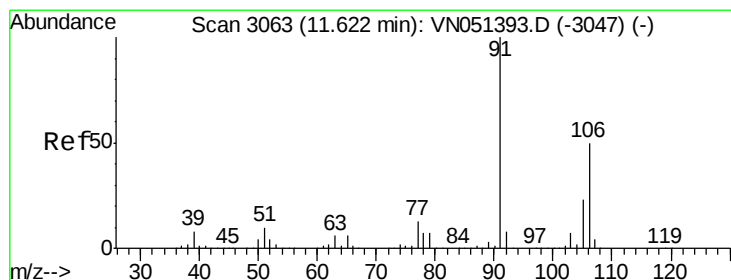
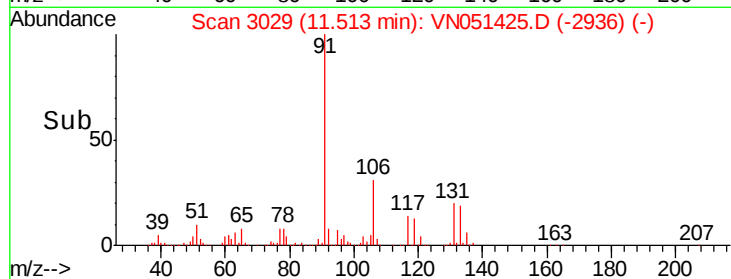
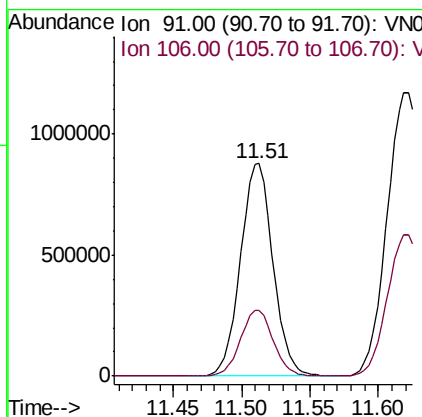
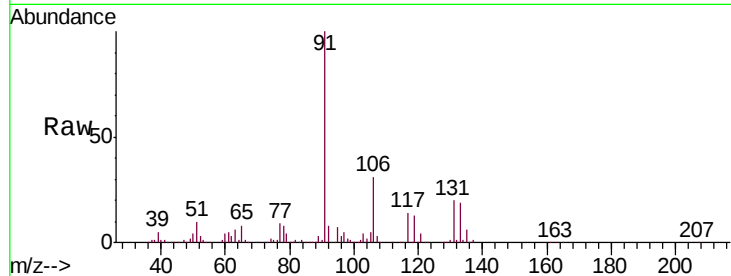
#67
Ethyl Benzene
Concen: 50.443 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1451187
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

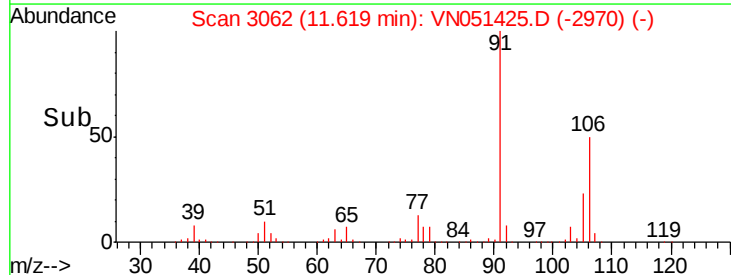
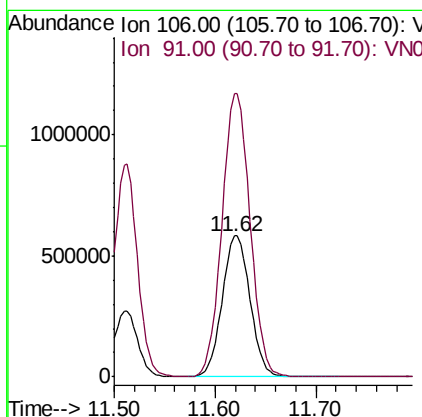
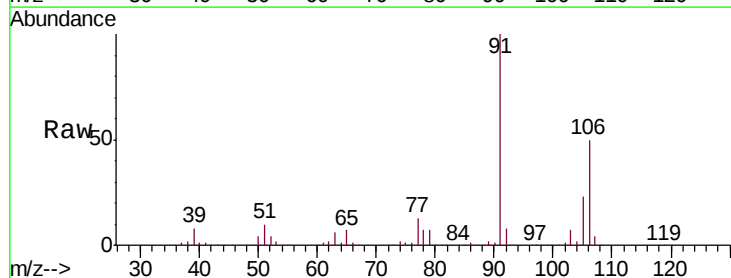
Manual Integrations
APPROVED

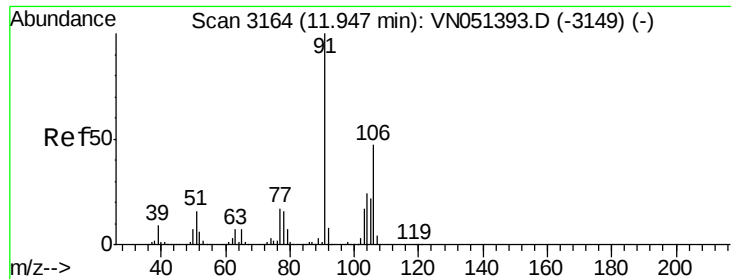
MMDadoda
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#68
m/p-Xylenes
Concen: 101.165 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 106 Resp: 1125755
Ion Ratio Lower Upper
106 100
91 202.2 161.3 241.9





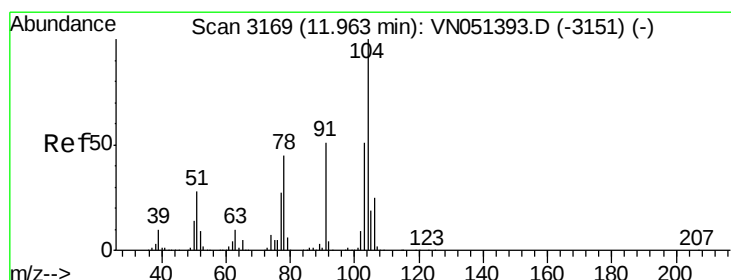
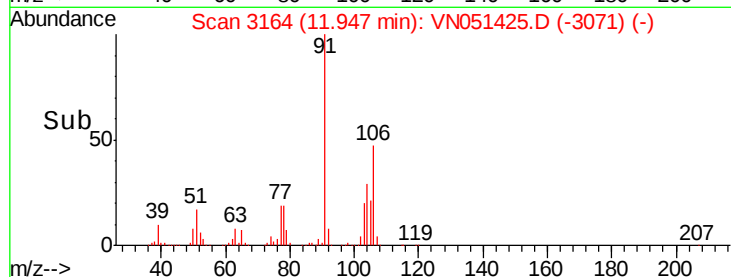
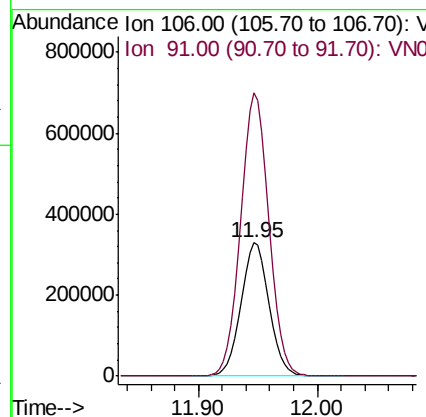
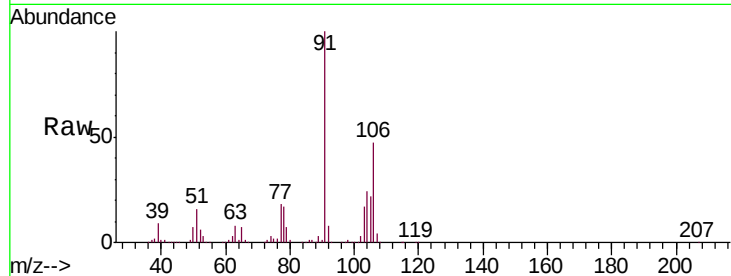
#69
o-Xylene
Concen: 50.176 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 536773
Ion Ratio Lower Upper
106 100
91 213.9 105.3 315.9

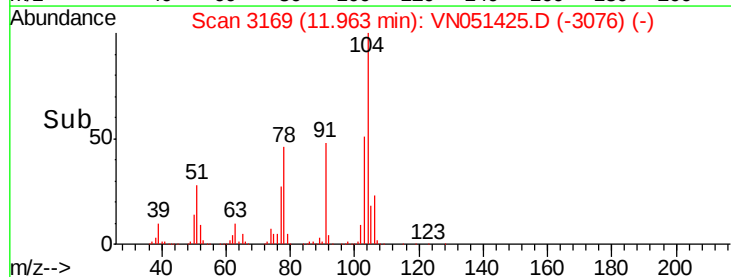
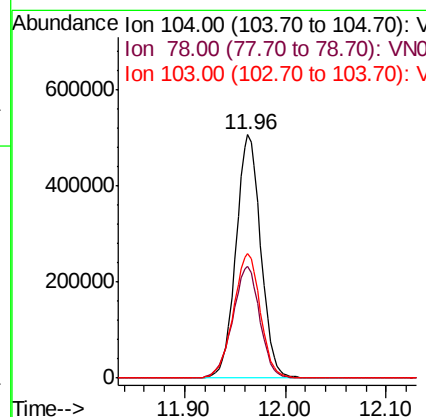
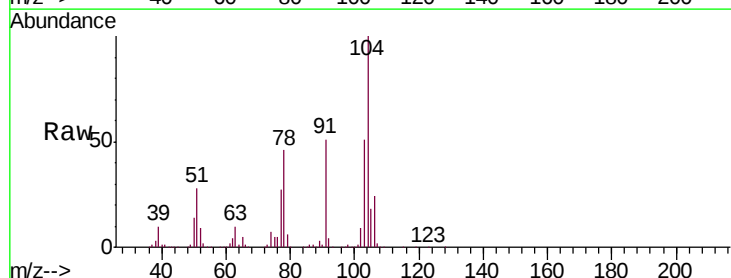
Manual Integrations
APPROVED

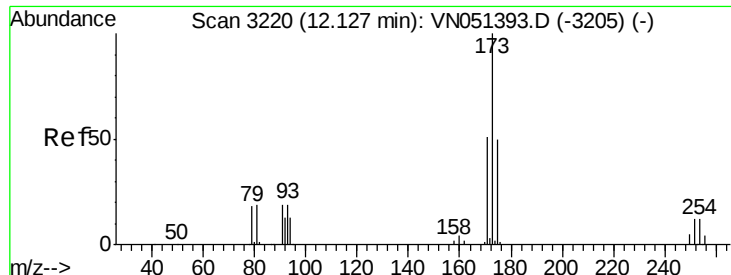
MMDadoda
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#70
Styrene
Concen: 51.134 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion:104 Resp: 866792
Ion Ratio Lower Upper
104 100
78 50.2 39.9 59.9
103 55.6 44.6 66.8





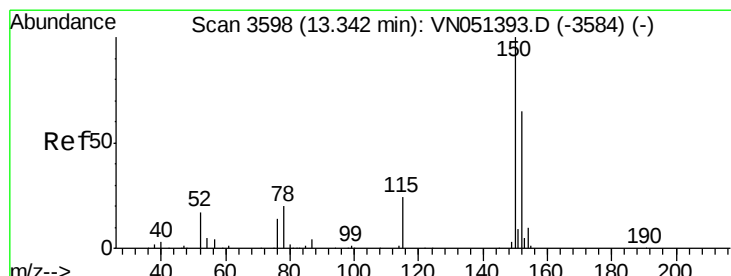
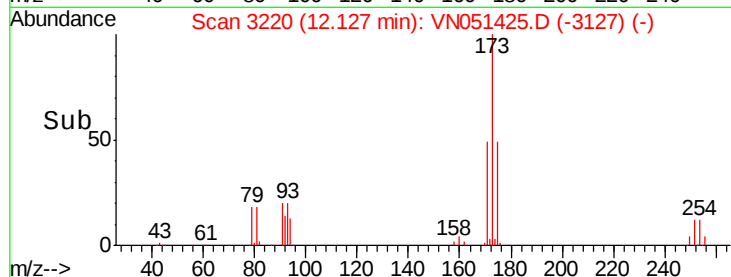
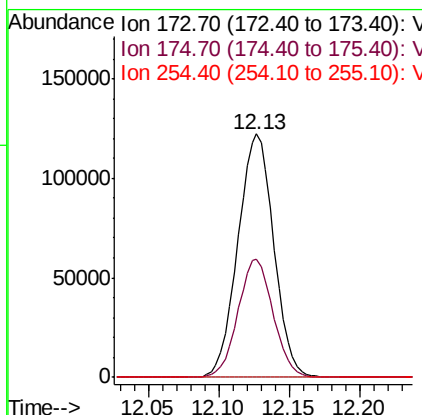
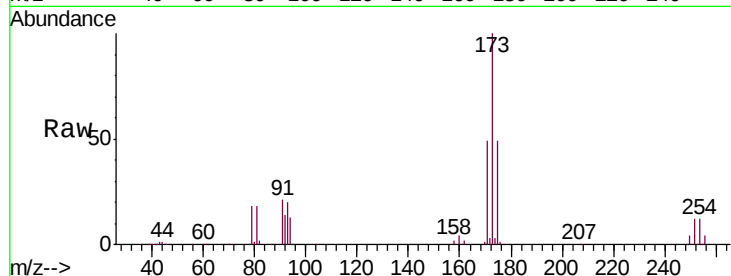
#71
Bromoform
Concen: 49.283 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.8	74.3
254	0.1	0.2	0.2

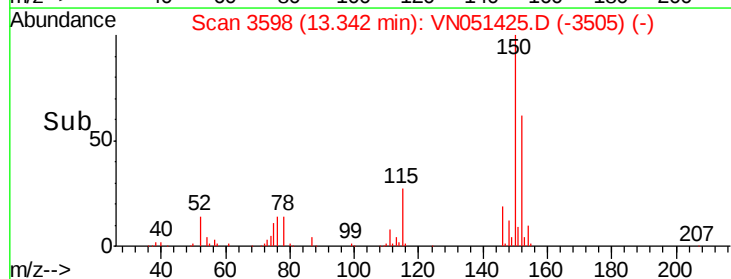
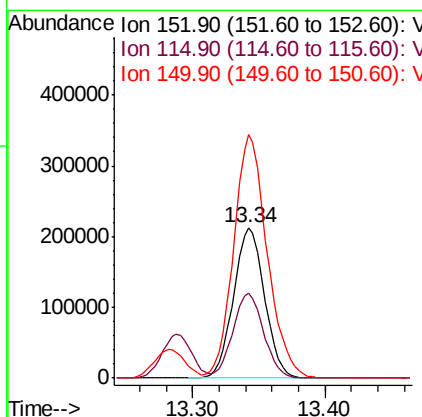
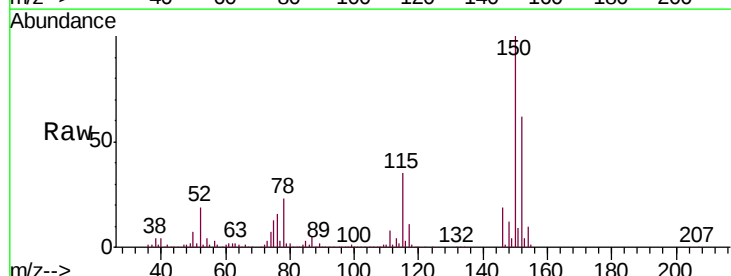
Manual Integrations
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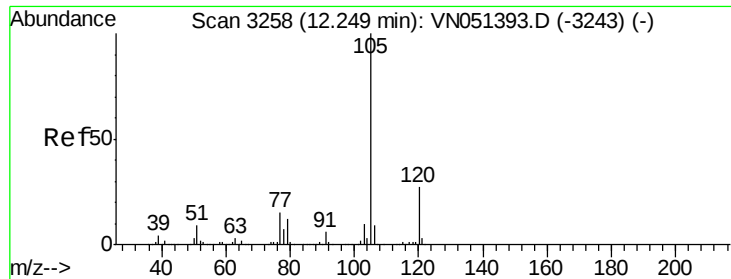
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	84.9
150	175.5	0.0	353.6





#73

Isopropylbenzene

Concen: 49.824 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1443444

Ion Ratio Lower Upper

105 100

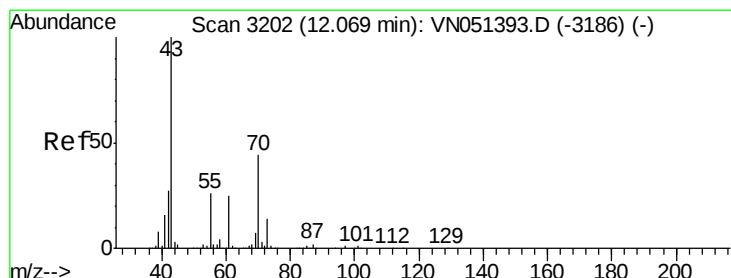
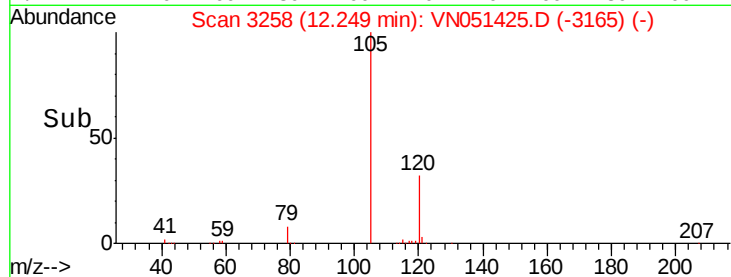
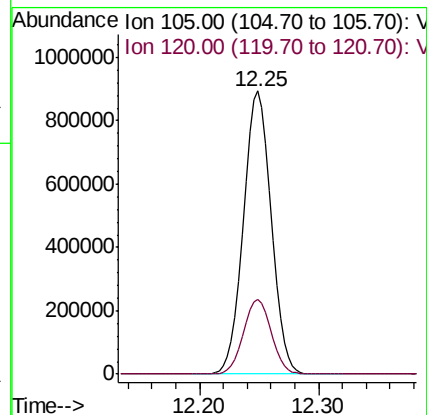
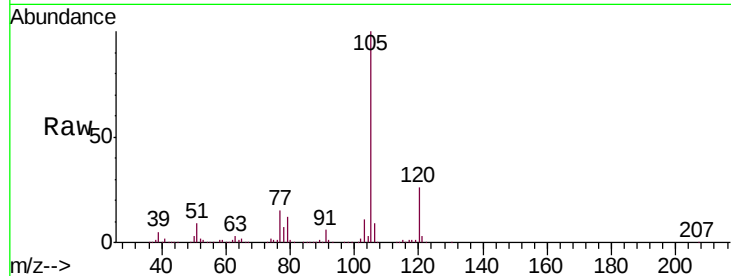
120 26.6 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.519 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Tgt Ion: 43 Resp: 374486

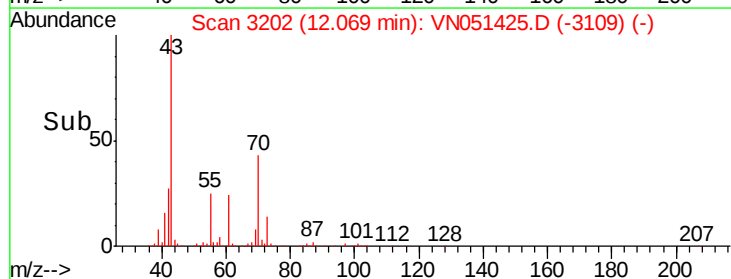
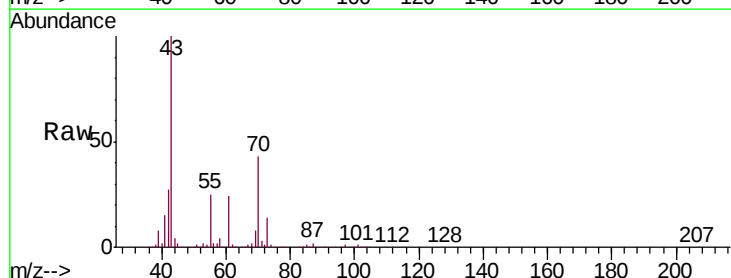
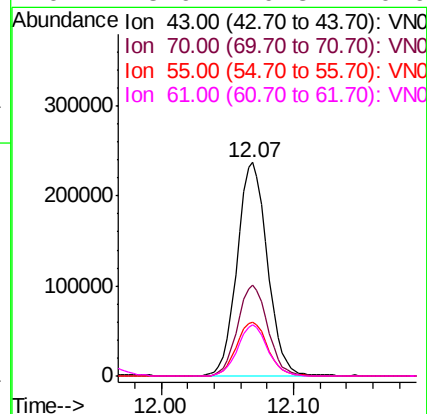
Ion Ratio Lower Upper

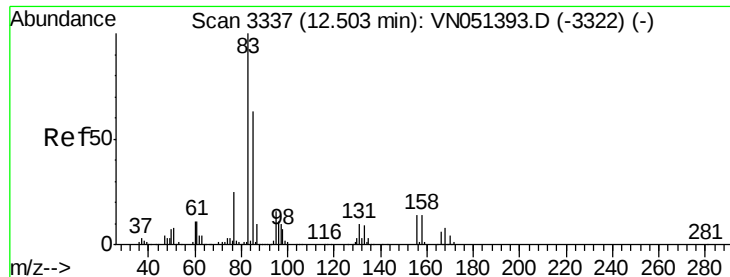
43 100

70 42.6 35.0 52.4

55 26.2 21.4 32.2

61 23.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.933 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 323821
Ion Ratio Lower Upper

83 100

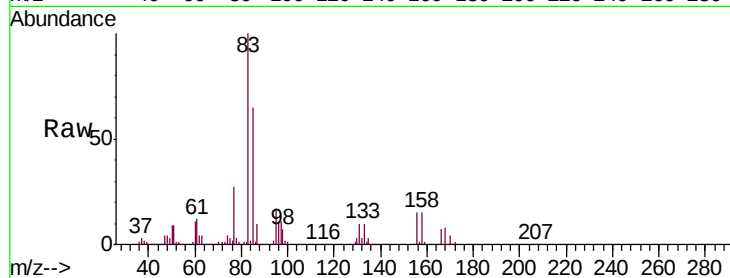
131 10.6 5.3 15.9

85 64.4 31.6 95.0

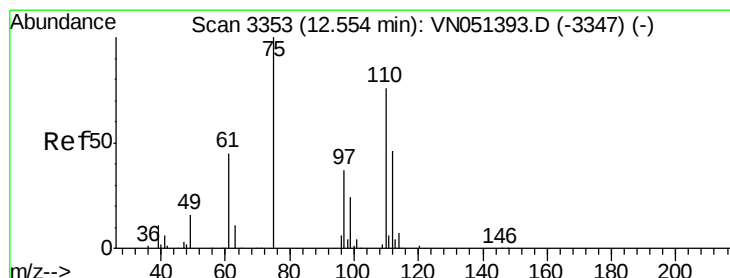
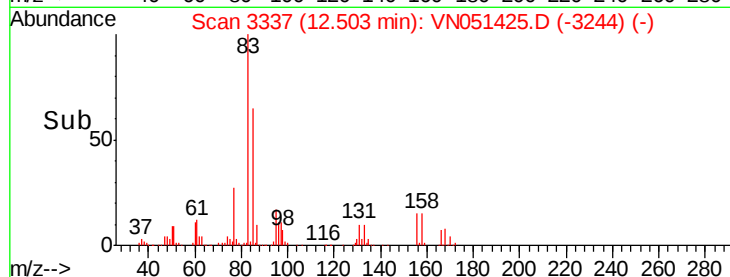
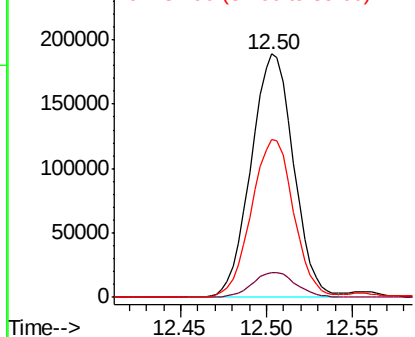
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 50.565 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

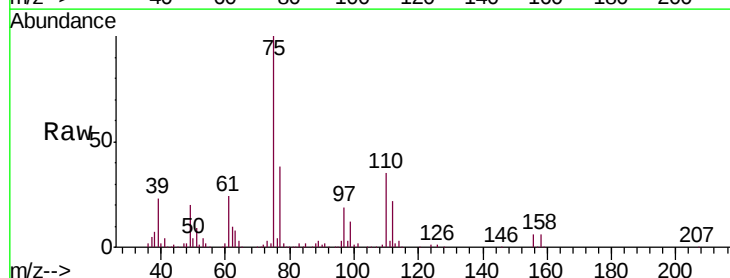
Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

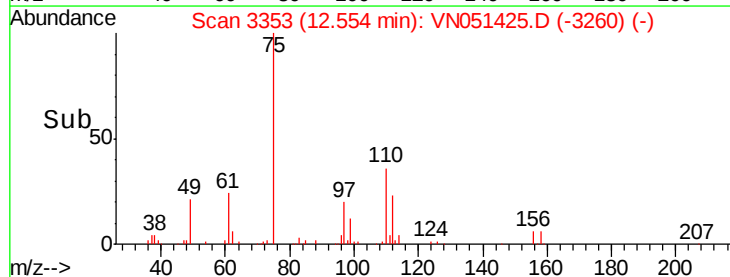
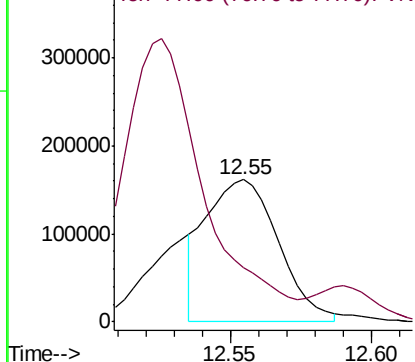
Tgt Ion: 75 Resp: 288222
Ion Ratio Lower Upper

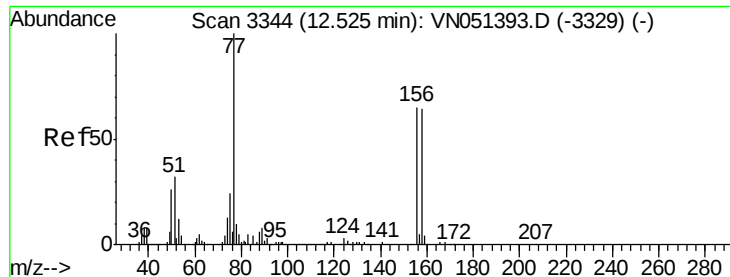
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.939 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

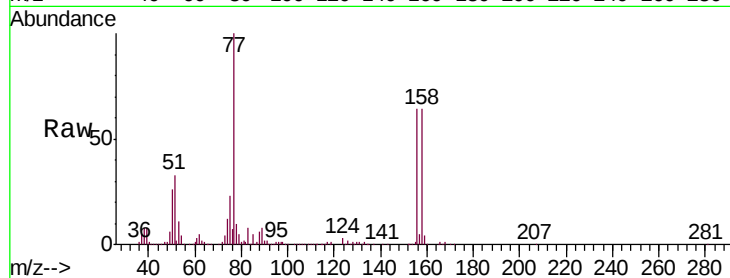
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	351581
Ion Ratio	Lower	Upper	
156	100		
77	182.5	89.5	268.4
158	98.9	49.4	148.2

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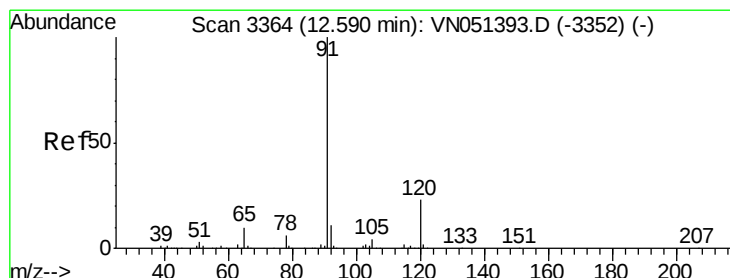
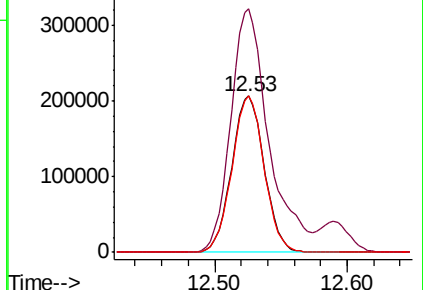
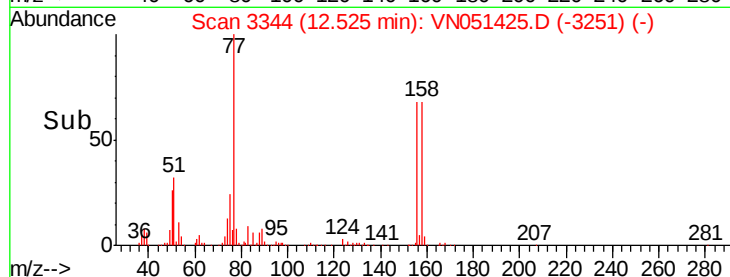
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.478 ug/l

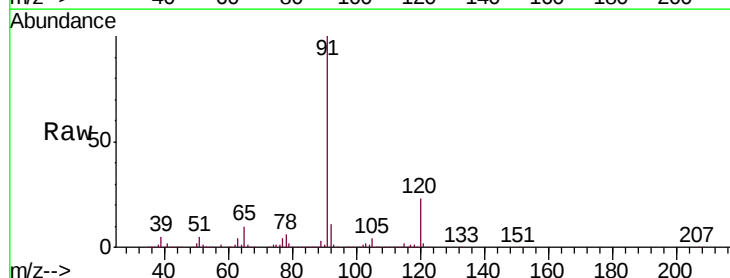
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051425.D

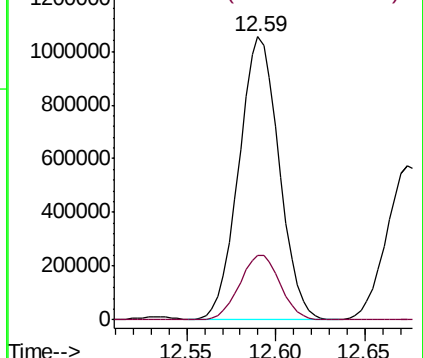
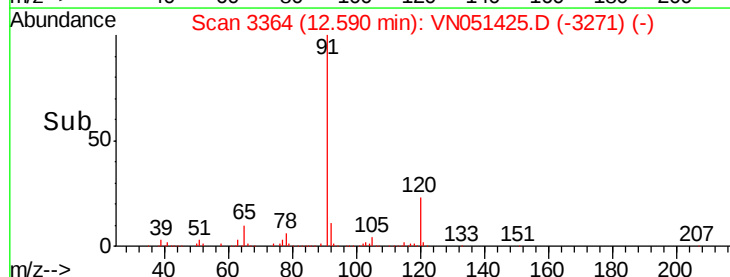
Acq: 23 Sep 2018 20:30

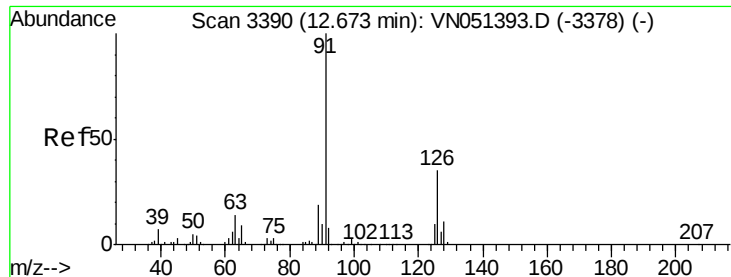
Tgt Ion:	91	Resp:	1648152
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.485 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 967142

Ion Ratio Lower Upper

91 100

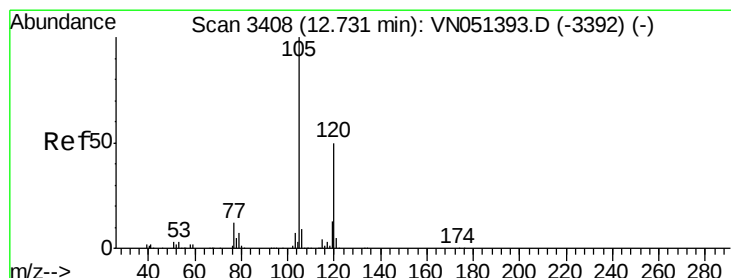
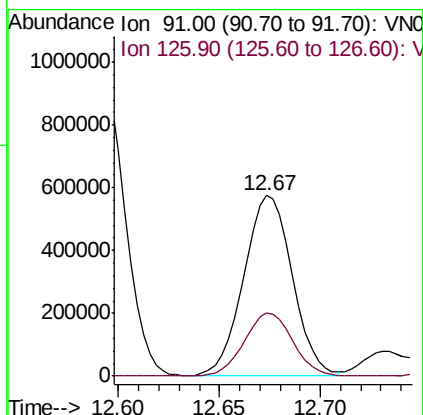
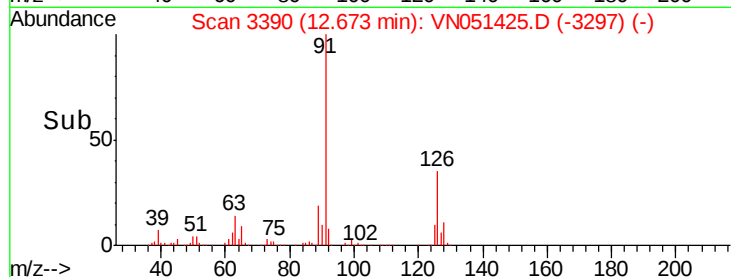
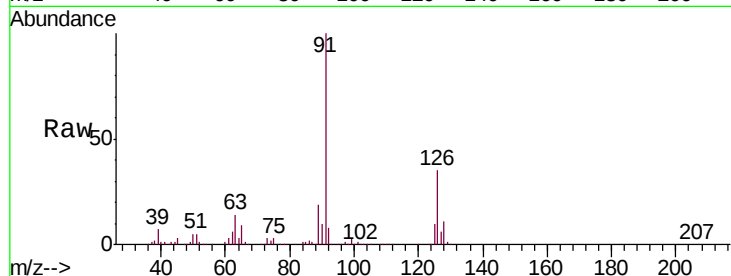
126 35.1 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.851 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051425.D

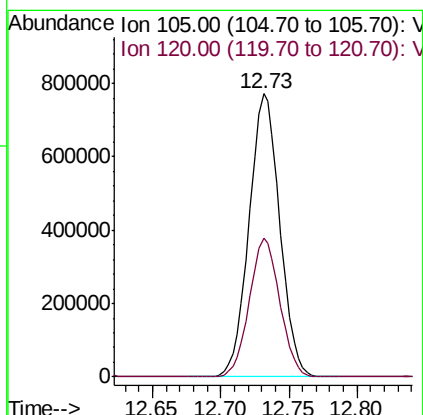
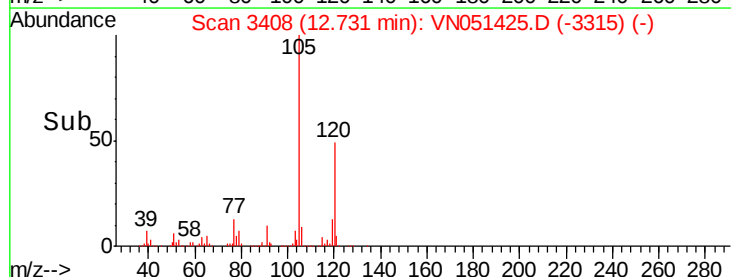
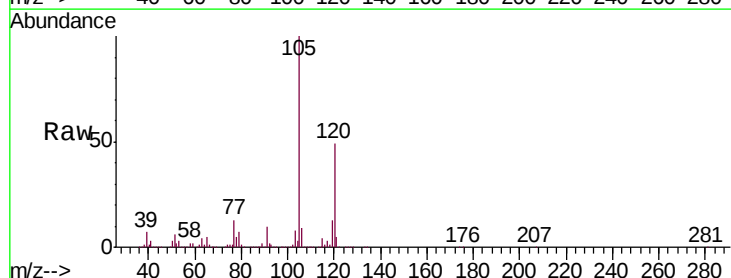
Acq: 23 Sep 2018 20:30

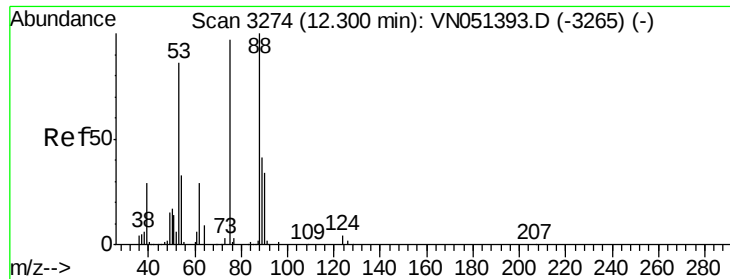
Tgt Ion: 105 Resp: 1201254

Ion Ratio Lower Upper

105 100

120 48.6 24.8 74.4





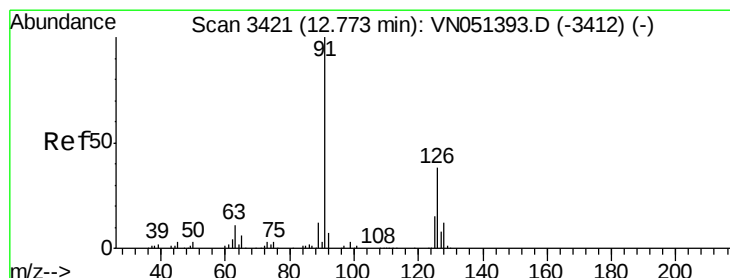
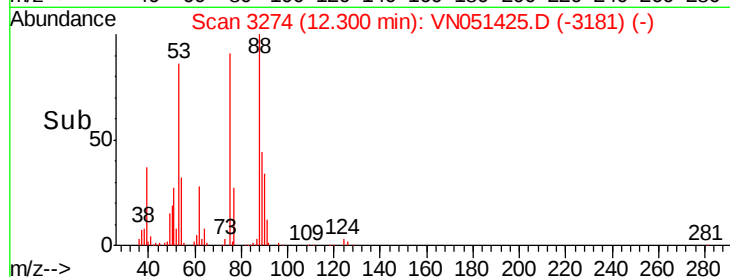
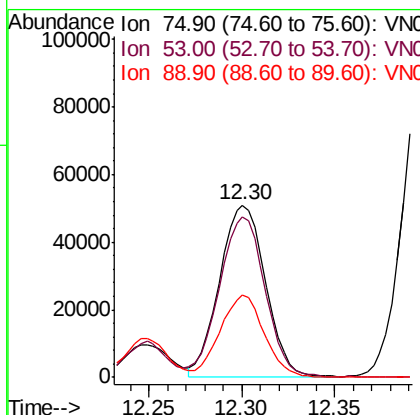
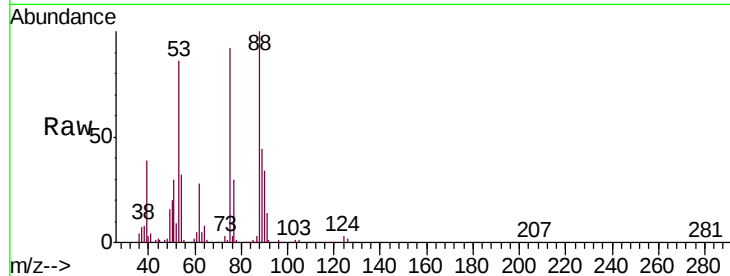
#81
trans-1,4-Dichloro-2-butene
Concen: 46.764 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.9	110.9
89	46.6	36.7	55.1

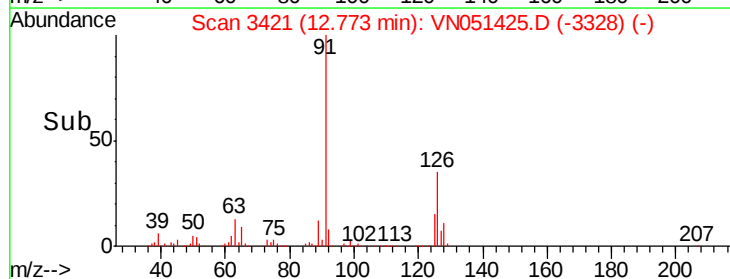
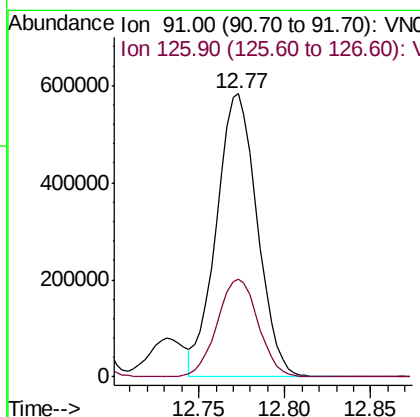
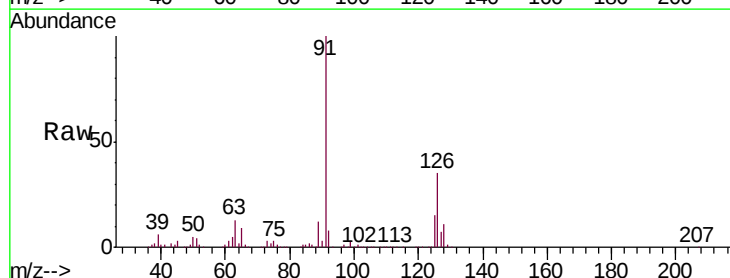
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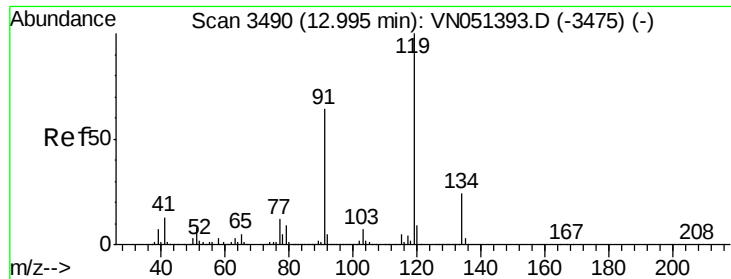
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#82
4-Chlorotoluene
Concen: 49.321 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





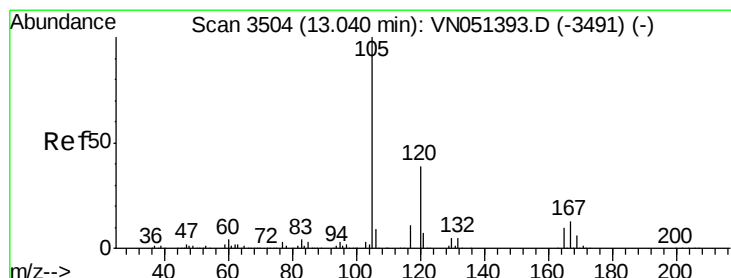
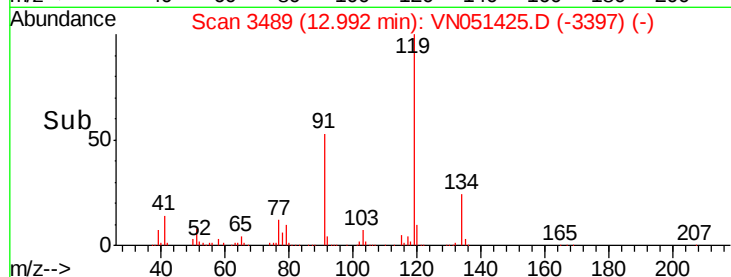
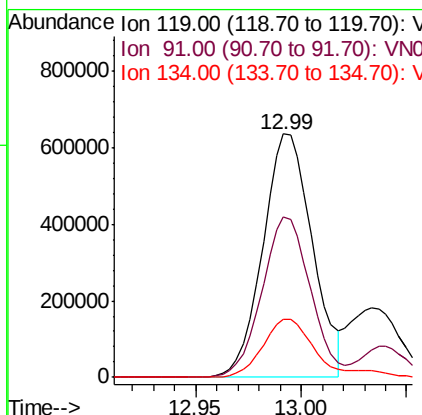
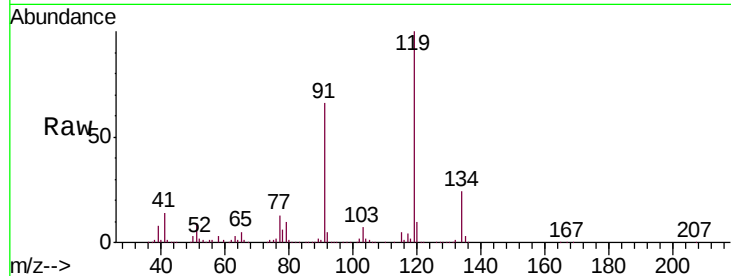
#83
tert-Butylbenzene
Concen: 49.556 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 1041991
Ion Ratio Lower Upper
119 100
91 64.3 31.7 95.1
134 26.2 12.3 36.9

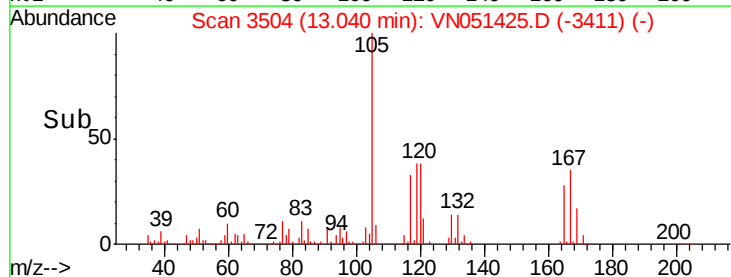
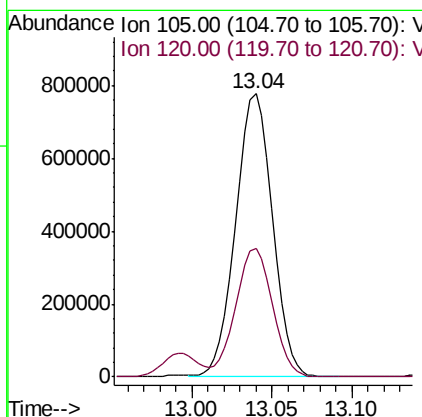
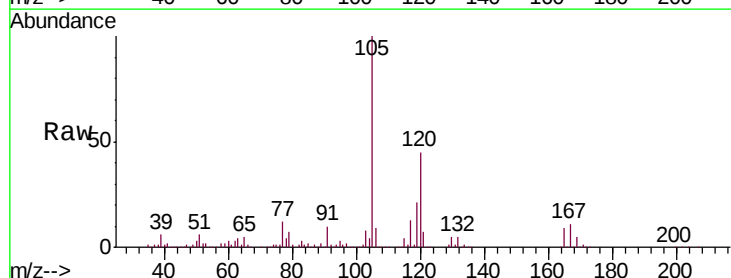
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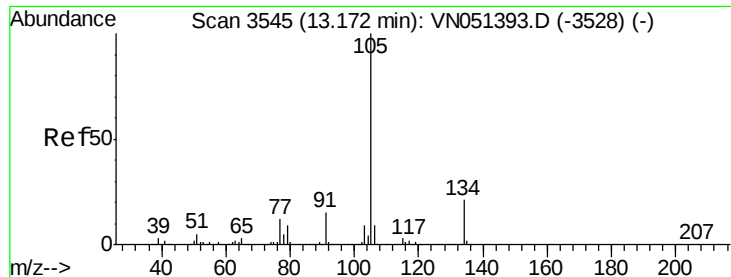
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#84
1,2,4-Trimethylbenzene
Concen: 51.053 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion:105 Resp: 1215289
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.7





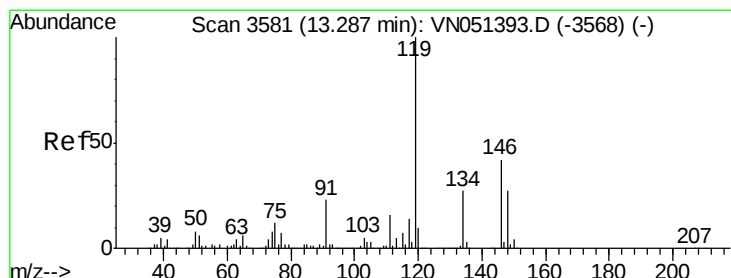
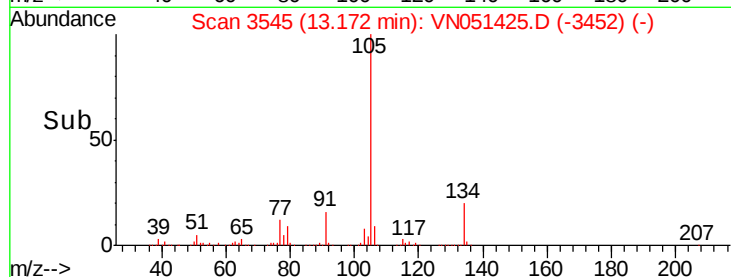
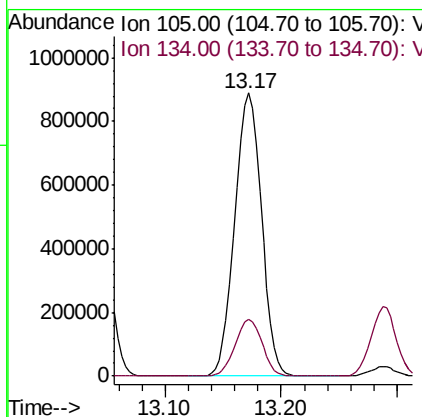
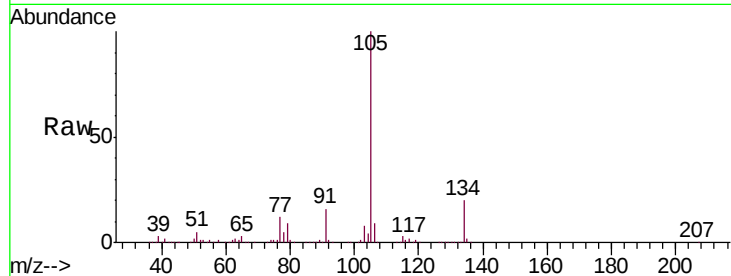
#85
 sec-Butylbenzene
 Concen: 49.832 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1417483
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.1

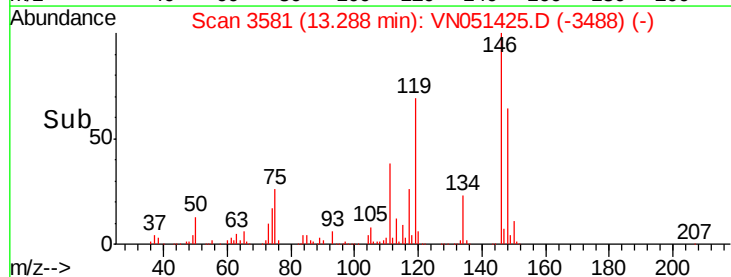
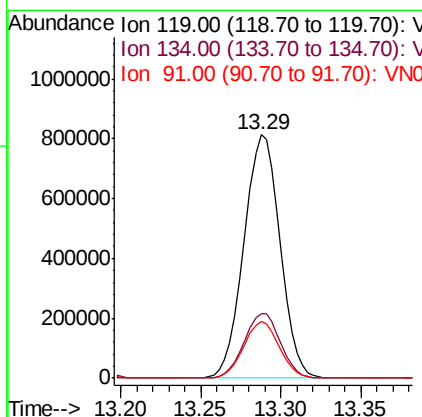
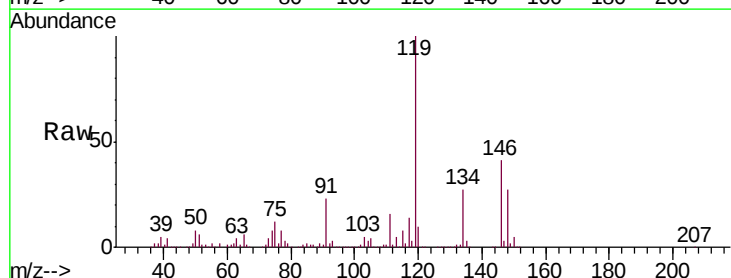
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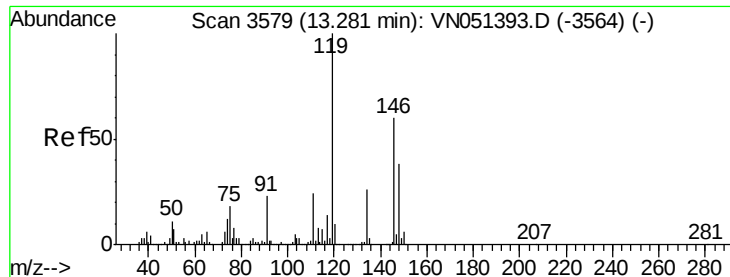
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#86
 p-Isopropyltoluene
 Concen: 50.624 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion:119 Resp: 1246030
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 49.383 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Instrument :

MSVOA_N

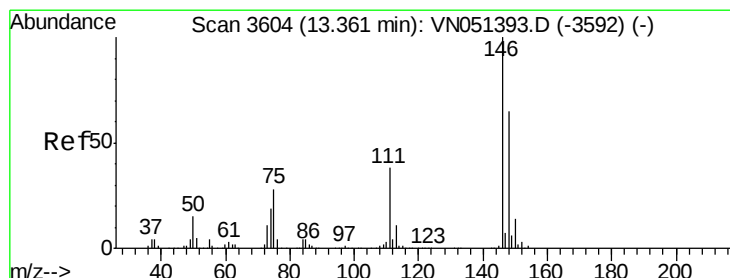
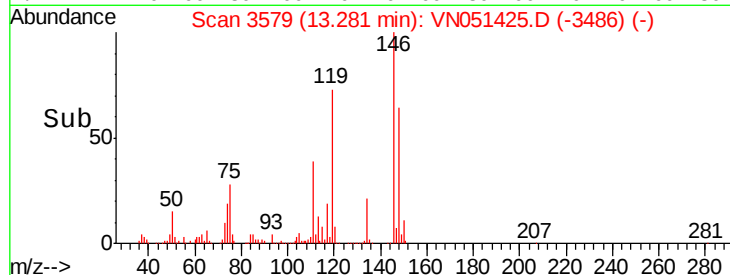
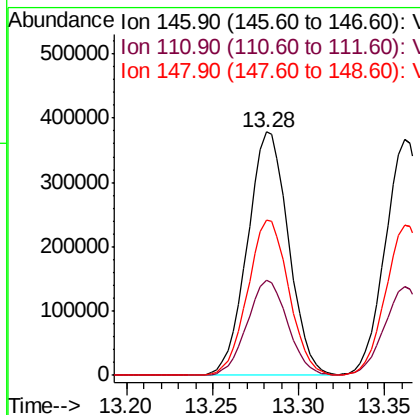
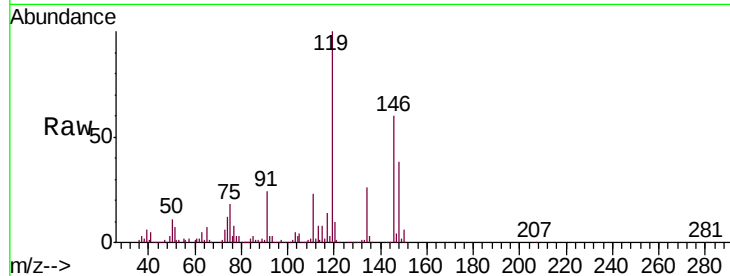
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	626745
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.7	59.1
148	63.8	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.596 ug/l

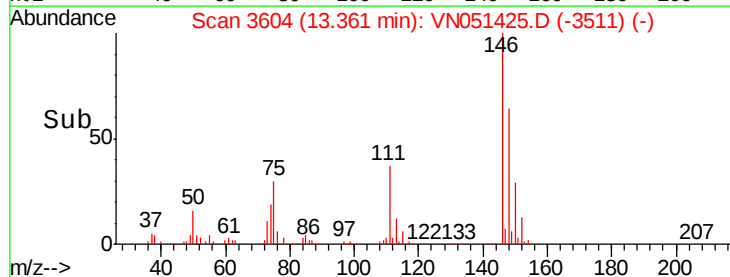
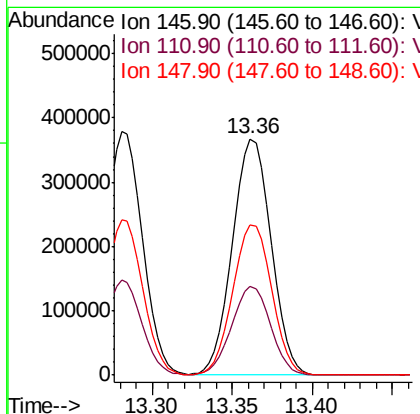
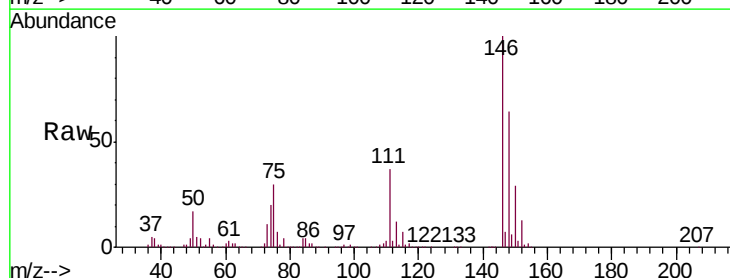
RT: 13.36 min Scan# 3604

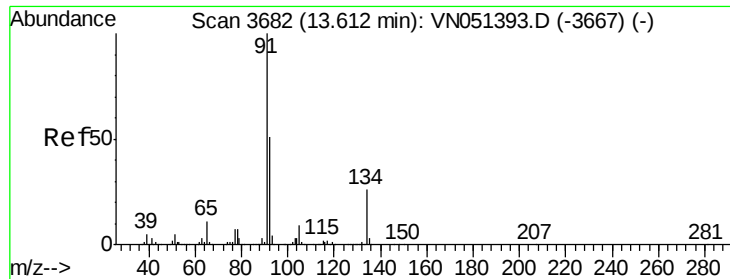
Delta R.T. 0.00 min

Lab File: VN051425.D

Acq: 23 Sep 2018 20:30

Tgt Ion:	146	Resp:	605646
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.1	57.1
148	64.1	32.5	97.5





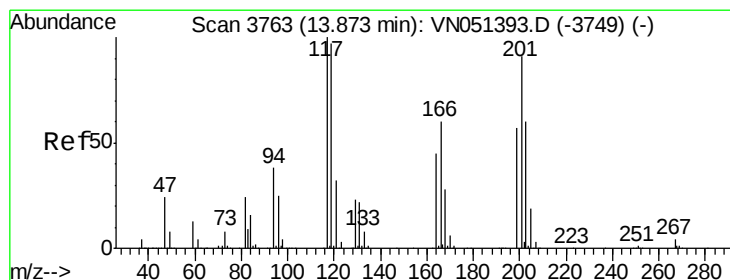
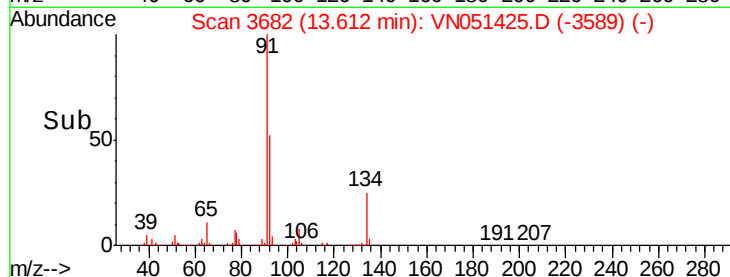
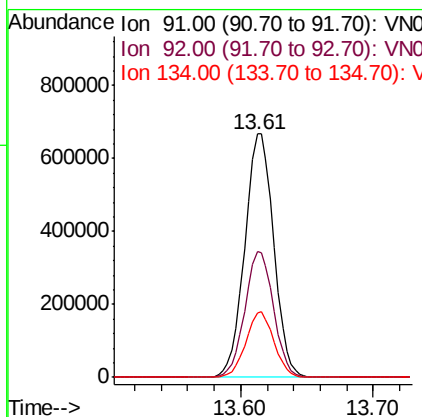
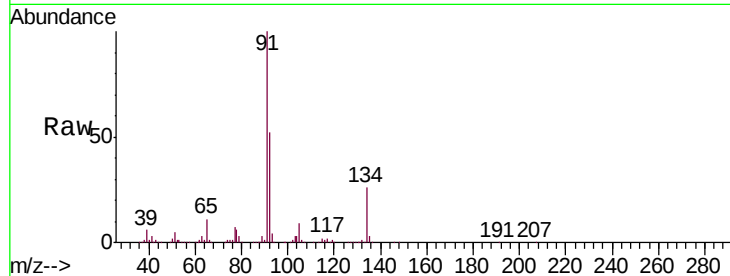
#89
n-Butylbenzene
Concen: 49.863 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1009219
Ion Ratio Lower Upper
91 100
92 51.3 25.5 76.5
134 26.1 13.3 39.8

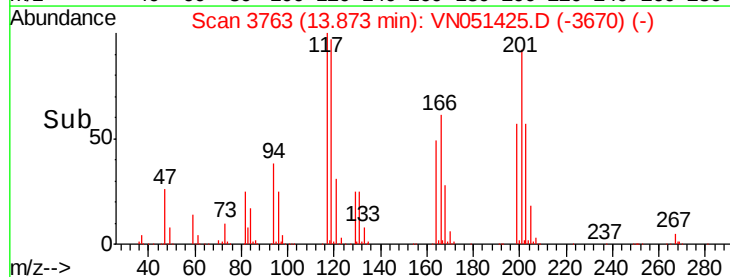
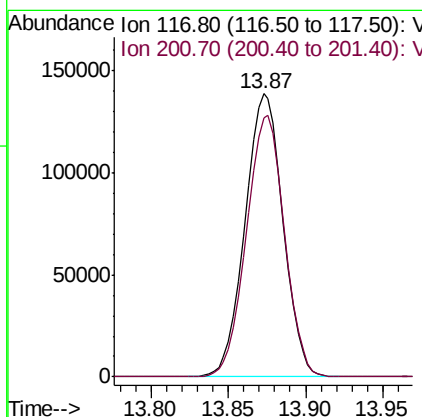
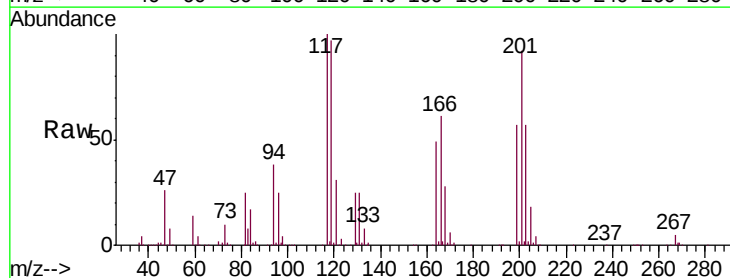
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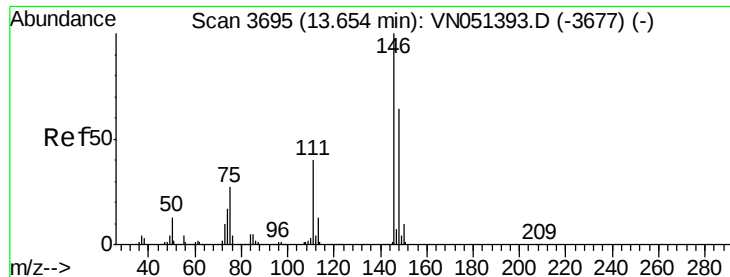
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#90
Hexachloroethane
Concen: 48.374 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion: 117 Resp: 237232
Ion Ratio Lower Upper
117 100
201 92.5 45.5 136.4





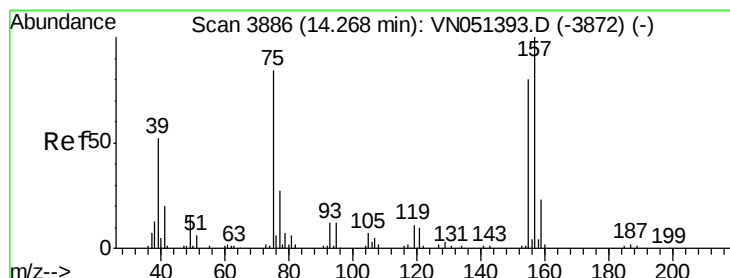
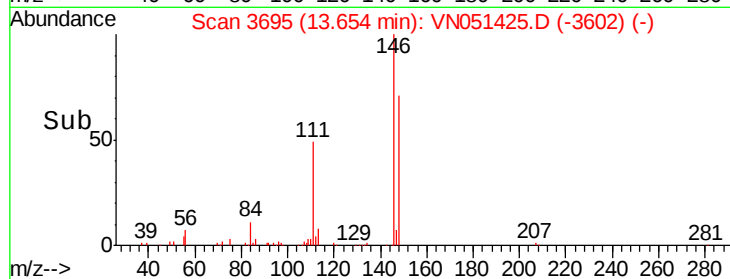
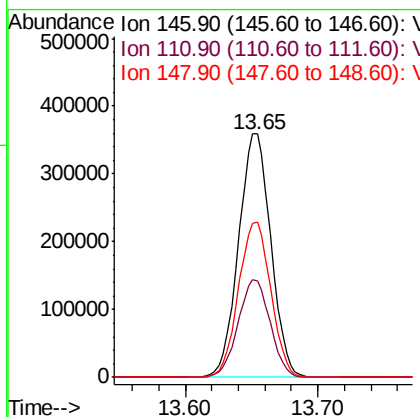
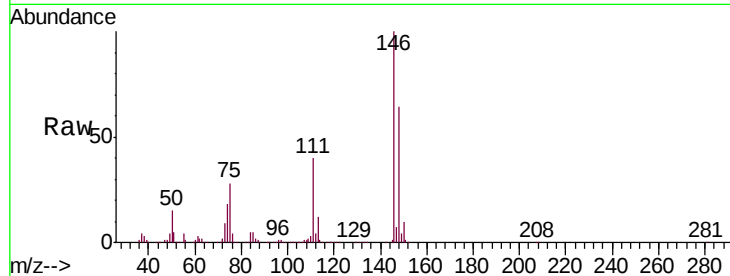
#91
 1,2-Dichlorobenzene
 Concen: 49.248 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	146	Resp:	606446
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.0	60.0
148	64.1	32.1	96.5

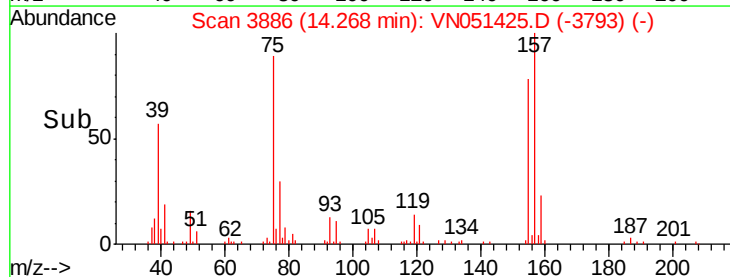
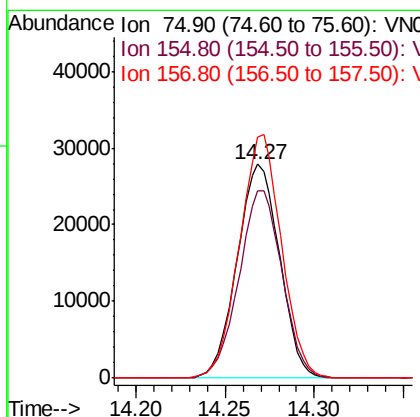
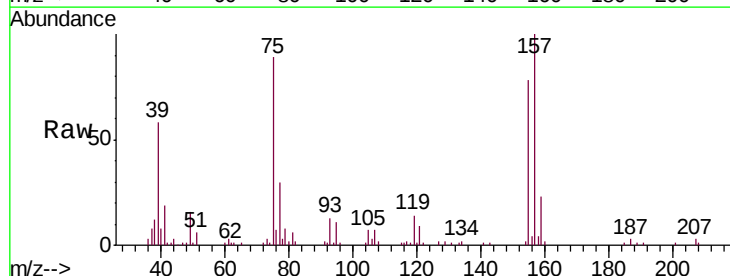
Manual Integrations
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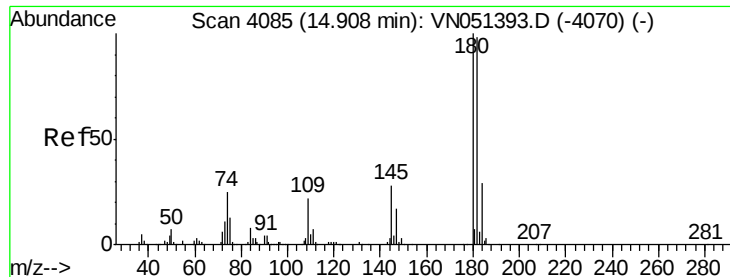
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.244 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion:	75	Resp:	46513
Ion Ratio	Lower	Upper	
75	100		
155	88.8	46.9	140.6
157	112.4	58.4	175.1





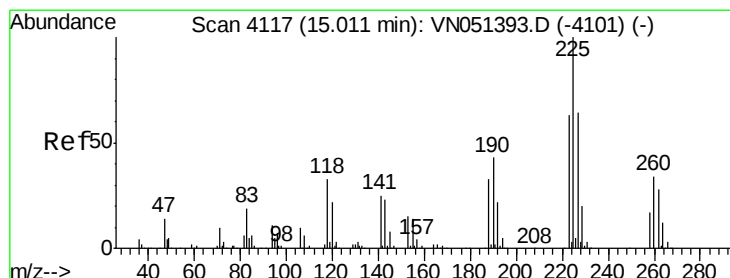
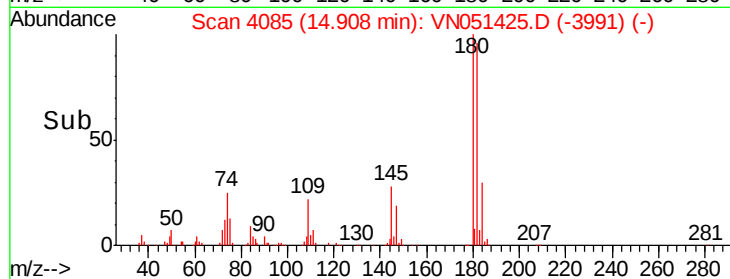
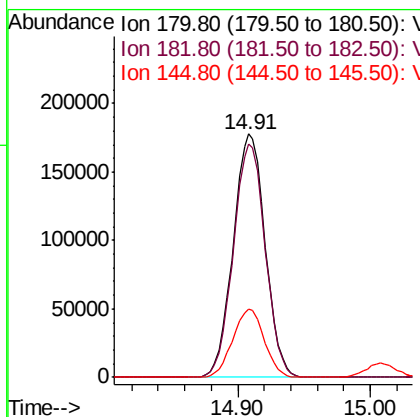
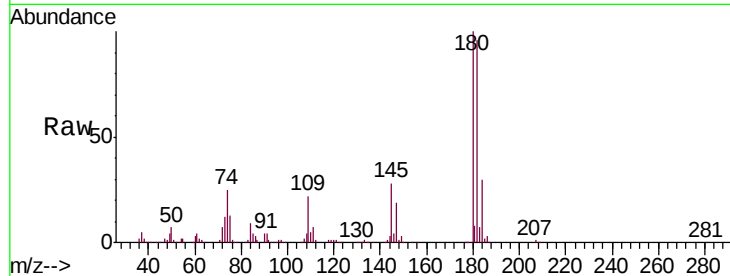
#93
 1,2,4-Trichlorobenzene
 Concen: 45.323 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	296672		
182	95.6	48.5	145.6	
145	27.8	14.1	42.4	

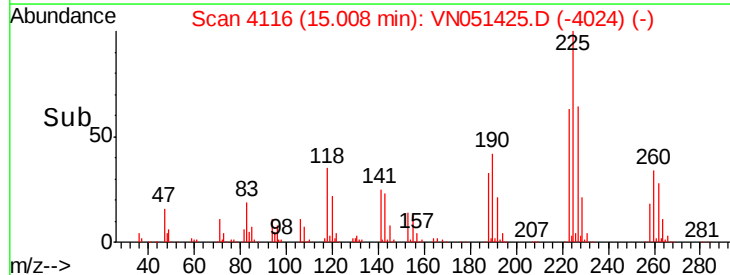
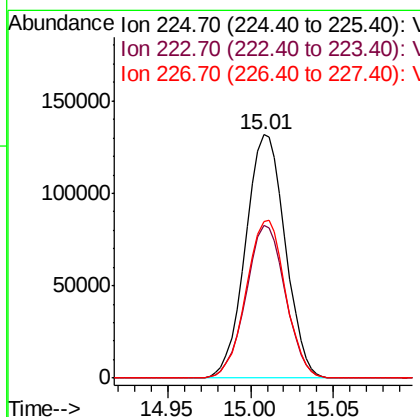
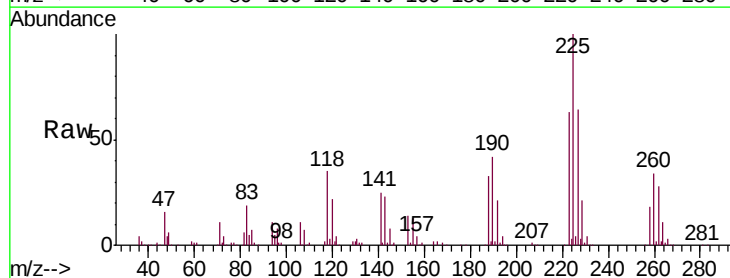
Manual Integrations
 APPROVED

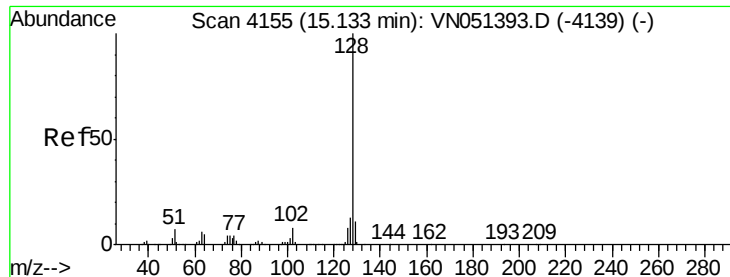
MMDadoda
 9/24/2018 2:15:27 PM



#94
 Hexachlorobutadiene
 Concen: 47.058 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051425.D
 Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	219248		
223	62.2	31.9	95.9	
227	64.4	32.5	97.5	





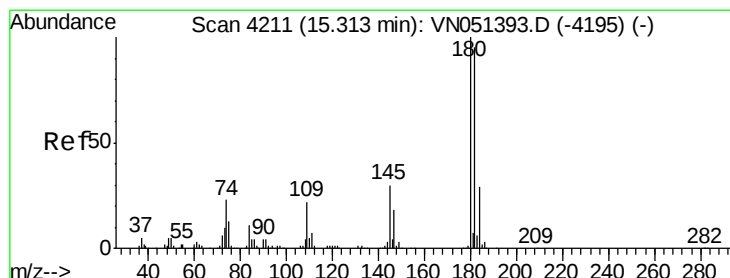
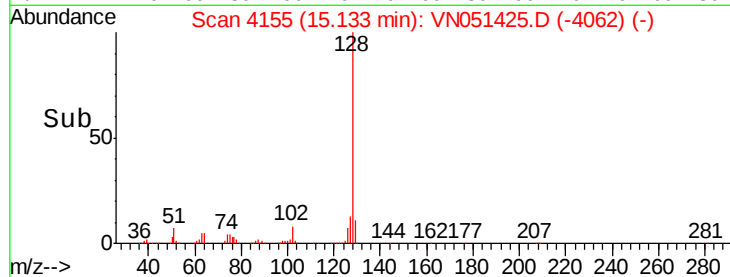
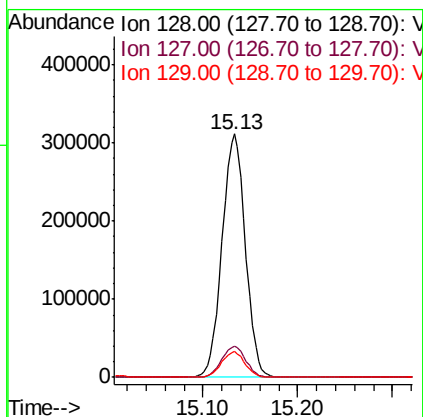
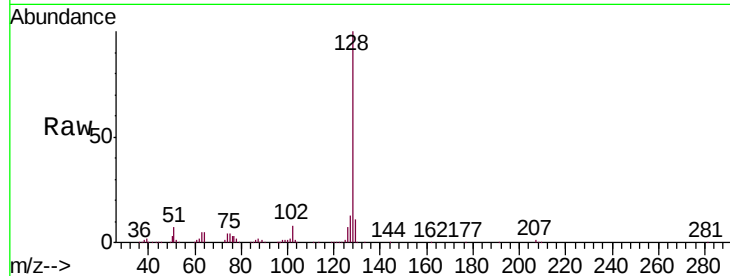
#95
Naphthalene
Concen: 42.989 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	531650		
127	13.3	10.5	15.7	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.709 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051425.D
Acq: 23 Sep 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	287850		
182	95.4	47.2	141.6	
145	29.4	14.6	43.8	

