

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054430.D
 Acq On : 19 Mar 2019 10:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 12:21:23 PM

Quant Time: Mar 20 04:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1378953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2042299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1770591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	836233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	646620	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	
35) Dibromofluoromethane	7.59	113	640135	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.09	98	2350919	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	809475	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	634951	48.585	ug/l	99
3) Chloromethane	2.06	50	569116	44.831	ug/l	99
4) Vinyl Chloride	2.19	62	635932	43.828	ug/l	98
5) Bromomethane	2.57	94	410866	40.885	ug/l	97
6) Chloroethane	2.71	64	374152	42.618	ug/l	99
7) Trichlorofluoromethane	3.02	101	807068	41.836	ug/l	99
8) Diethyl Ether	3.41	74	421325	47.927	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	693250	47.955	ug/l	99
10) Methyl Iodide	3.94	142	973272	47.485	ug/l	99
11) Tert butyl alcohol	4.82	59	232981	232.065	ug/l	99
12) 1,1-Dichloroethene	3.73	96	647507	45.199	ug/l	98
13) Acrolein	3.61	56	227599	239.244	ug/l	100
14) Allyl chloride	4.31	41	881456	47.956	ug/l	94
15) Acrylonitrile	4.99	53	1139025	276.200	ug/l	99
16) Acetone	3.82	43	969210	231.146	ug/l	97
17) Carbon Disulfide	4.04	76	1471041	40.962	ug/l	99
18) Methyl Acetate	4.33	43	526499	62.063	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1833937	51.647	ug/l	100
20) Methylene Chloride	4.54	84	698374	50.724	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	676166	49.262	ug/l	99
22) Diisopropyl ether	5.96	45	1897481	51.725	ug/l	95
23) Vinyl Acetate	5.90	43	6634750	245.300	ug/l	98
24) 1,1-Dichloroethane	5.84	63	1181411	50.157	ug/l	99
25) 2-Butanone	6.84	43	1368423	278.057	ug/l	98
26) 2,2-Dichloropropane	6.82	77	882739	42.616	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	796193	51.995	ug/l	96
28) Bromochloromethane	7.19	49	444307	46.141	ug/l	96
29) Tetrahydrofuran	7.22	42	827186	261.415	ug/l	97
30) Chloroform	7.37	83	1227771	49.952	ug/l	99
31) Cyclohexane	7.65	56	1075767	48.822	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1055138	47.533	ug/l	100
36) 1,1-Dichloropropene	7.79	75	931957	49.552	ug/l	98
37) Ethyl Acetate	6.93	43	550869	50.975	ug/l	98
38) Carbon Tetrachloride	7.77	117	927409	47.021	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1162781	50.248	ug/l	98
40) Benzene	8.04	78	2809778	52.206	ug/l	99
41) Methacrylonitrile	7.17	41	319001	51.699	ug/l	95
42) 1,2-Dichloroethane	8.12	62	863247	47.508	ug/l	97
43) Isopropyl Acetate	8.17	43	944423	49.788	ug/l	96
44) Trichloroethene	8.83	130	850945	50.896	ug/l	97
45) 1,2-Dichloropropane	9.12	63	715686	53.553	ug/l	99
46) Dibromomethane	9.21	93	458589	50.787	ug/l	99
47) Bromodichloromethane	9.40	83	907739	50.146	ug/l	97
48) Methyl methacrylate	9.20	41	491264	51.033	ug/l	91
49) 1,4-Dioxane	9.20	88	153373	1126.386	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2685220	267.494	ug/l	95
52) Toluene	10.15	92	1778165	52.106	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	878002	42.708	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1060282	50.264	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	662621	53.177	ug/l	98
56) Ethyl methacrylate	10.43	69	815078	54.859	ug/l #	91
57) 1,3-Dichloropropane	10.71	76	1080886	53.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1576327	244.914	ug/l	99
59) 2-Hexanone	10.75	43	1766829	264.514	ug/l	95
60) Dibromochloromethane	10.90	129	719280	51.285	ug/l	100
61) 1,2-Dibromoethane	11.00	107	657919	51.957	ug/l	98
64) Tetrachloroethene	10.63	164	857010	50.062	ug/l	99
65) Chlorobenzene	11.43	112	2044295	52.583	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	730150	51.699	ug/l	99
67) Ethyl Benzene	11.51	91	3345725	51.915	ug/l	99
68) m/p-Xylenes	11.62	106	2671067	106.043	ug/l	97
69) o-Xylene	11.95	106	1302584	53.049	ug/l	97
70) Styrene	11.96	104	2060573	53.508	ug/l	99
71) Bromoform	12.13	173	474295	44.335	ug/l	100
73) Isopropylbenzene	12.25	105	3418456	51.095	ug/l	99
74) N-amyl acetate	12.07	43	776254	52.271	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	768508	53.914	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	622830m	50.648	ug/l	
77) Bromobenzene	12.53	156	907730	51.273	ug/l	99
78) n-propylbenzene	12.59	91	3755998	51.739	ug/l	100
79) 2-Chlorotoluene	12.67	91	2225068	50.976	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2808852	50.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	157447	43.768	ug/l	95
82) 4-Chlorotoluene	12.77	91	2222978	51.003	ug/l	99
83) tert-Butylbenzene	12.99	119	2563888	50.054	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2845662	52.123	ug/l	100
85) sec-Butylbenzene	13.17	105	3277559	49.340	ug/l	100
86) p-Isopropyltoluene	13.29	119	2947917	50.584	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1574139	52.768	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1531830	52.271	ug/l	100
89) n-Butylbenzene	13.61	91	2288568	51.684	ug/l	99
90) Hexachloroethane	13.87	117	442332	45.838	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1526861	52.356	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	110483	50.089	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	849805	48.354	ug/l	99
94) Hexachlorobutadiene	15.01	225	510562	45.963	ug/l	100
95) Naphthalene	15.13	128	1747620	47.812	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	822677	53.093	ug/l	99

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

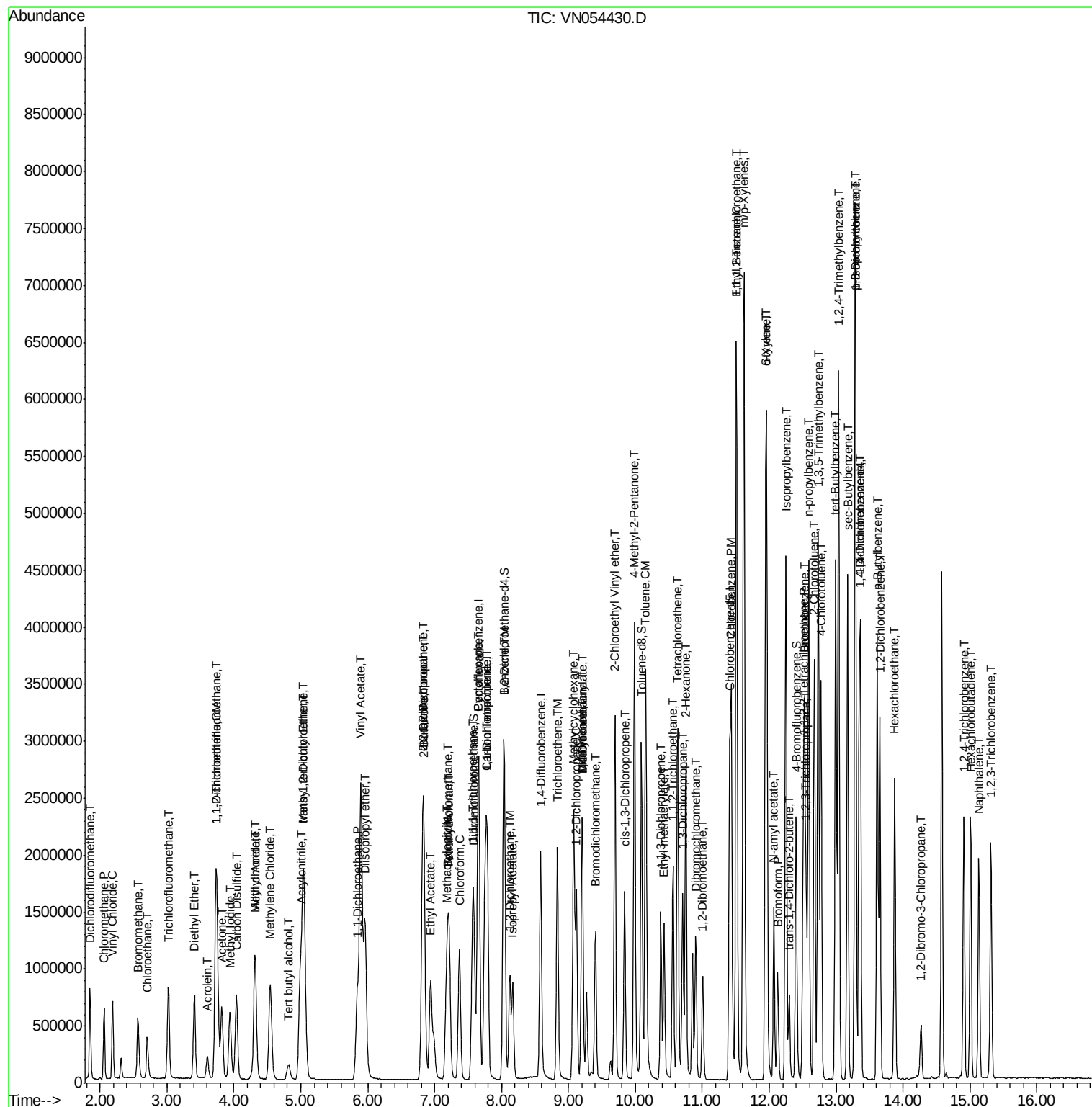
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
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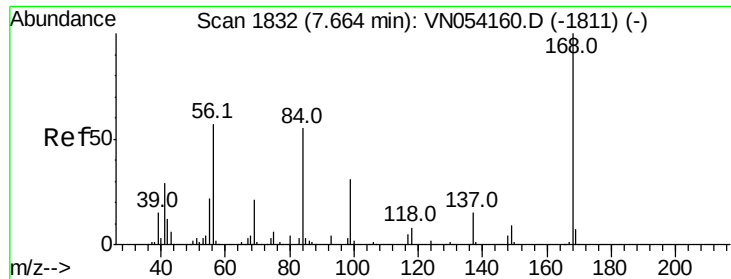
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1378953

Ion Ratio Lower Upper

168 100

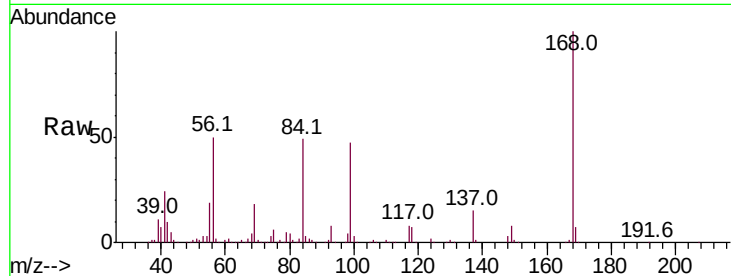
99 46.2 37.1 55.7

Manual Integrations

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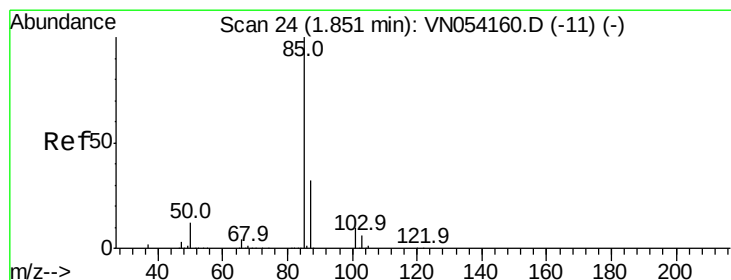
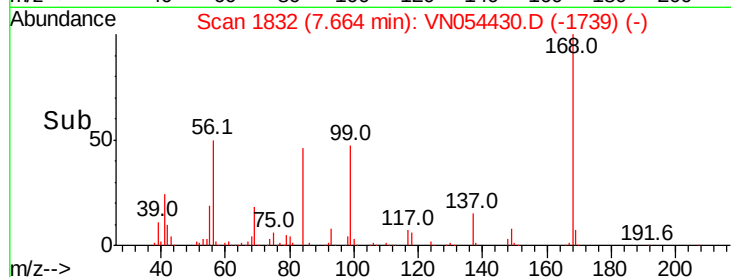
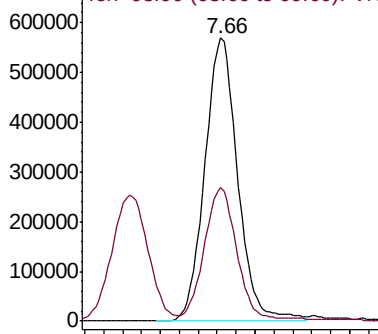
MMDadoda

3/20/2019 12:21:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.585 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054430.D

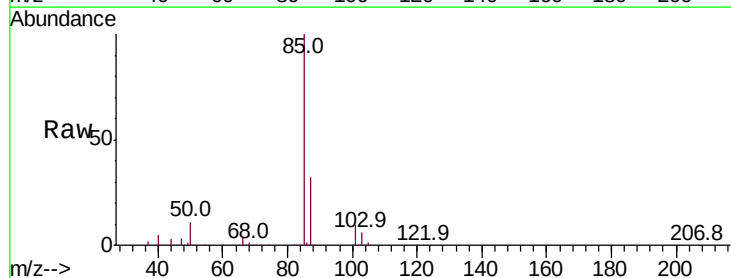
Acq: 19 Mar 2019 10:17

Tgt Ion: 85 Resp: 634951

Ion Ratio Lower Upper

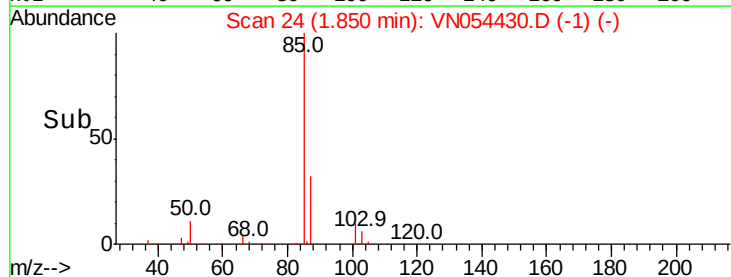
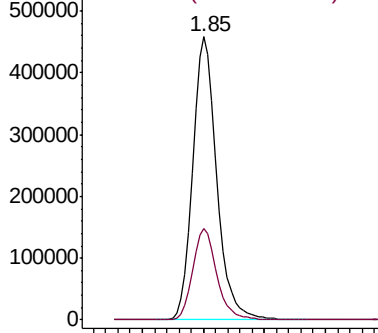
85 100

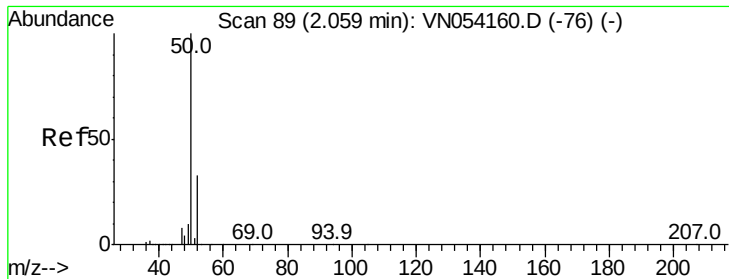
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.831 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 569116

Ion Ratio Lower Upper

50 100

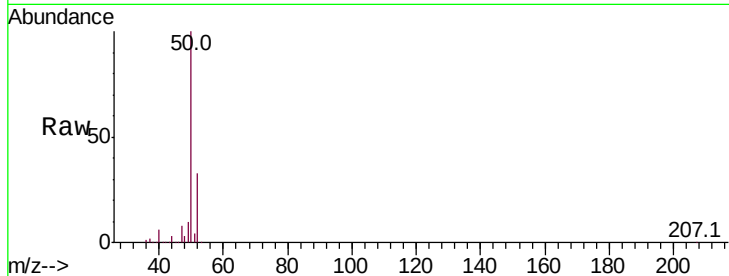
52 32.6 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN054430.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN054430.D (-1) (-)

2.06

400000

300000

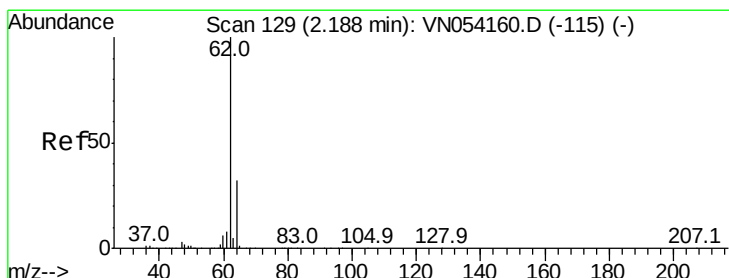
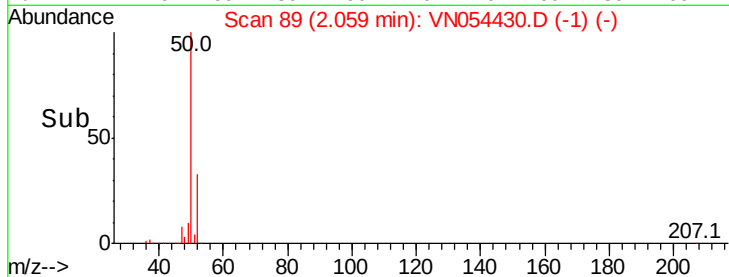
200000

100000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 43.828 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054430.D

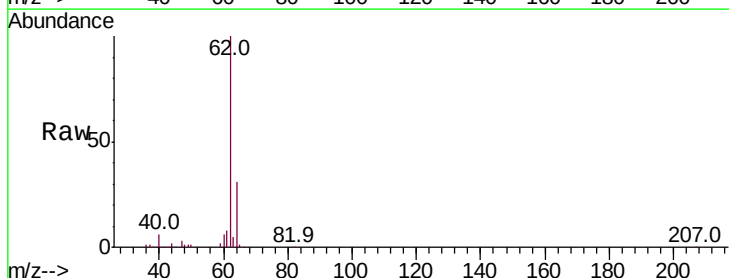
Acq: 19 Mar 2019 10:17

Tgt Ion: 62 Resp: 635932

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN054430.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN054430.D (-36) (-)

2.19

500000

400000

300000

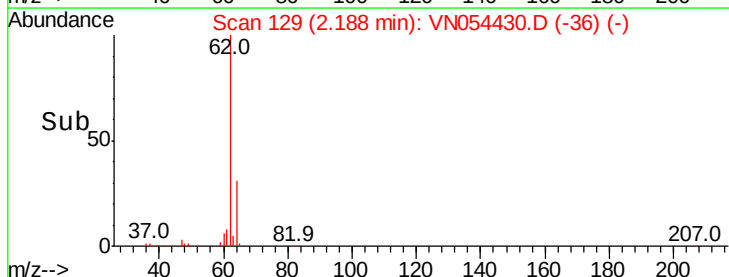
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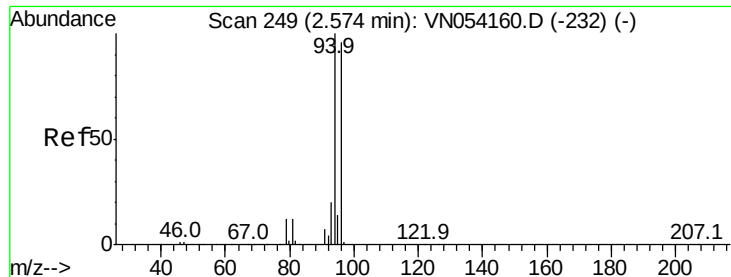
100000

0

Time-->

2.10 2.20 2.30





#5

Bromomethane

Concen: 40.885 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

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Tot Ion: 94 Resp: 410866

Ion Ratio Lower Upper

94 100

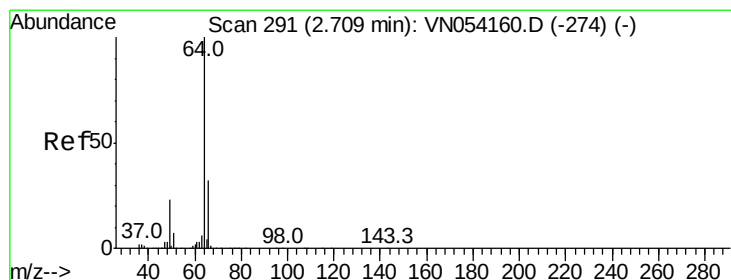
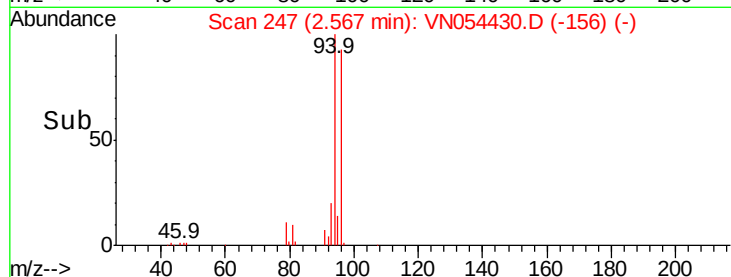
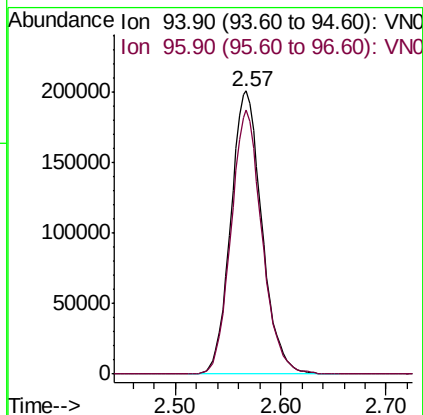
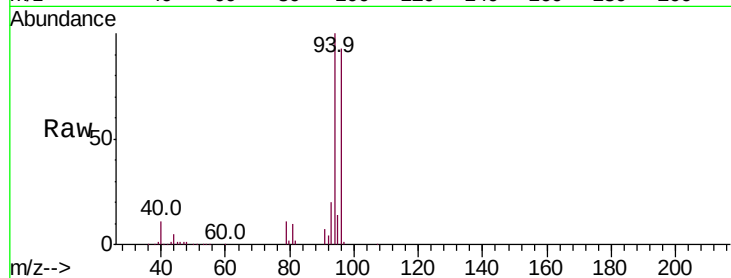
96 93.3 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 42.618 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054430.D

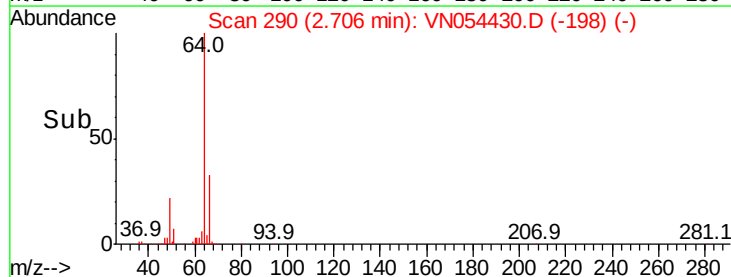
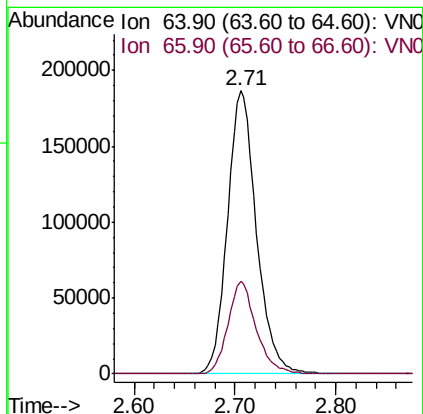
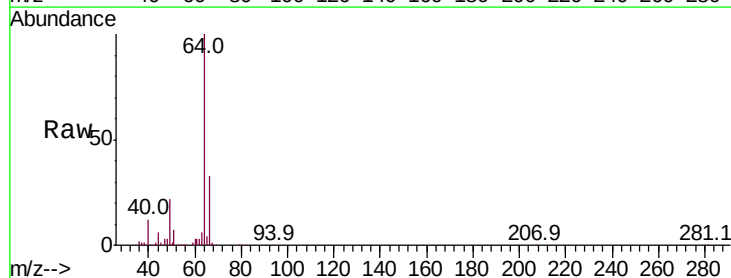
Acq: 19 Mar 2019 10:17

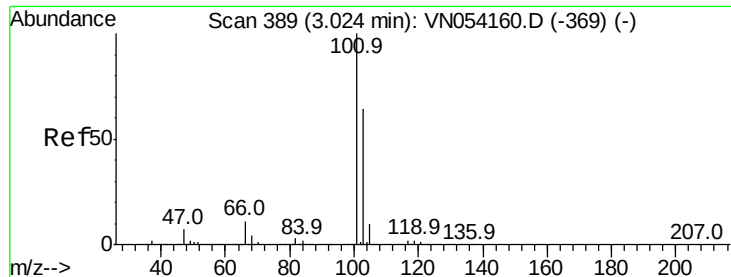
Tgt Ion: 64 Resp: 374152

Ion Ratio Lower Upper

64 100

66 32.8 25.7 38.5





#7

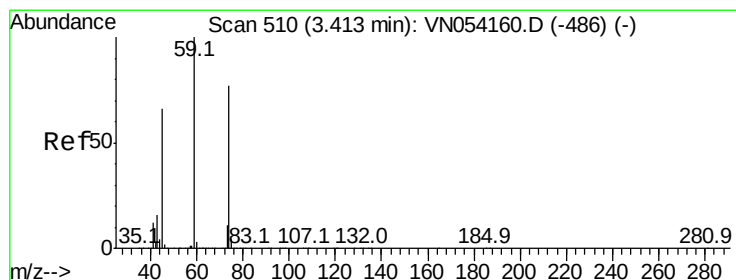
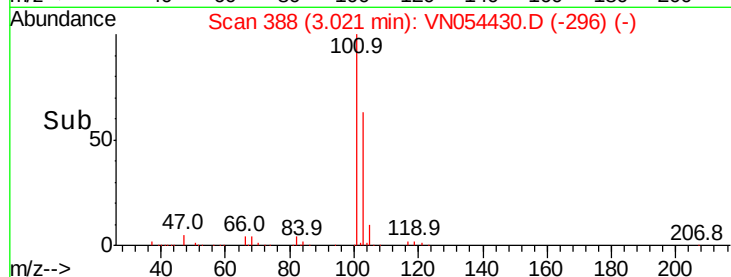
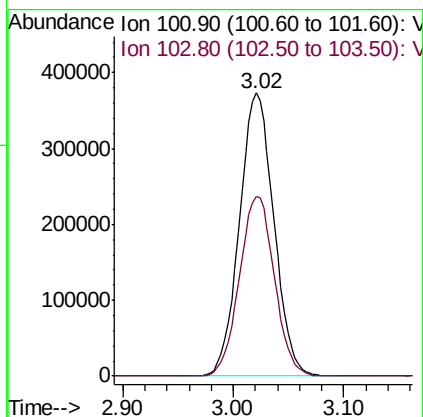
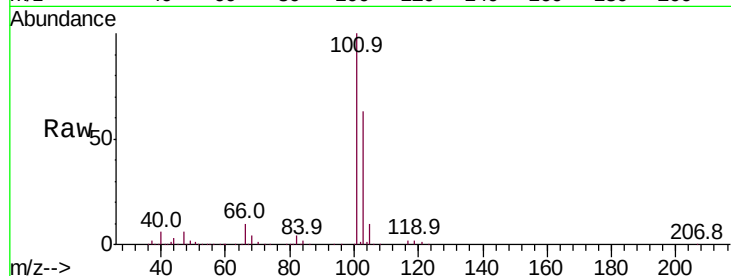
Trichlorofluoromethane
Concen: 41.836 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.4	77.2

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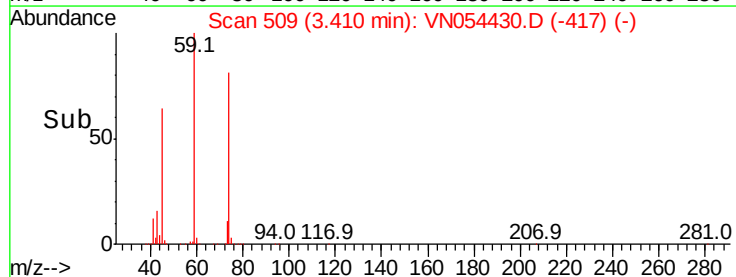
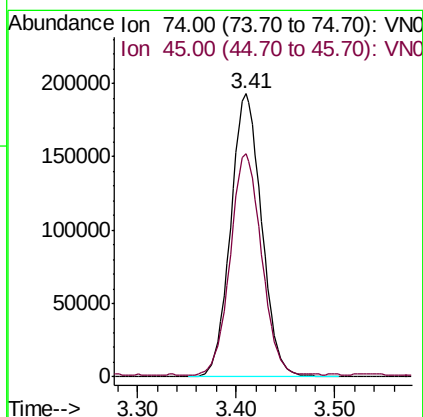
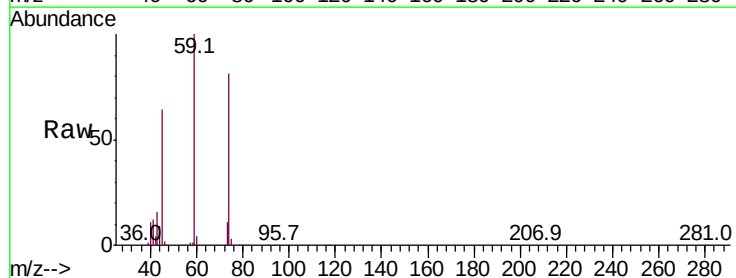
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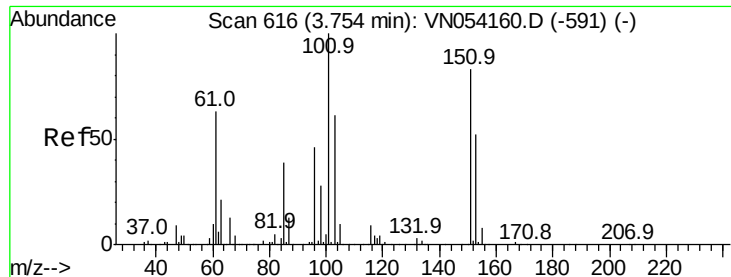


#8

Diethyl Ether
Concen: 47.927 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.0	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.955 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

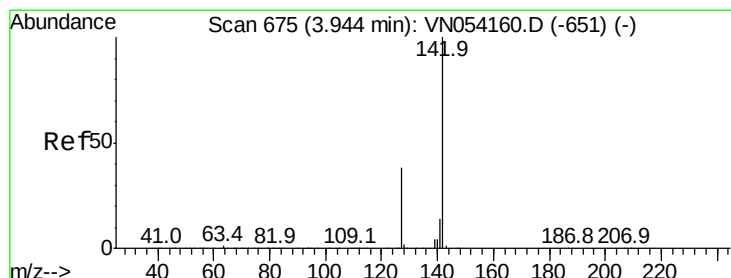
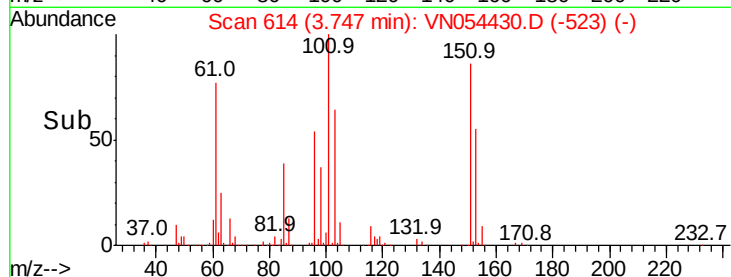
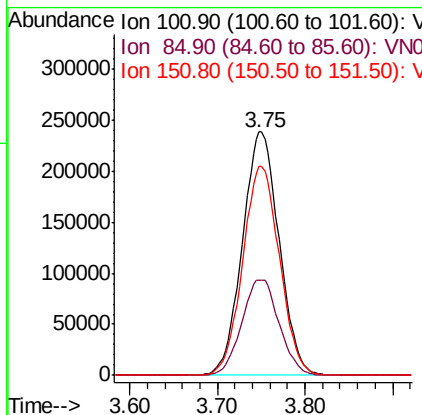
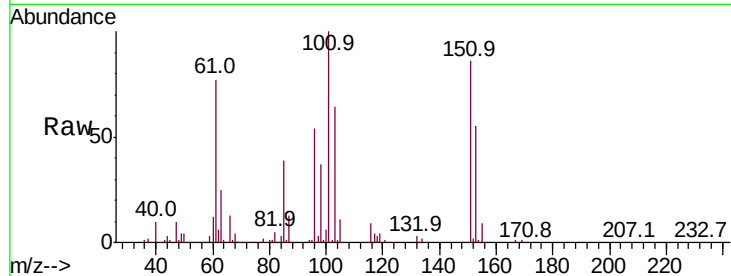
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	693250
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.4	48.6
151	86.3	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 47.485 ug/l

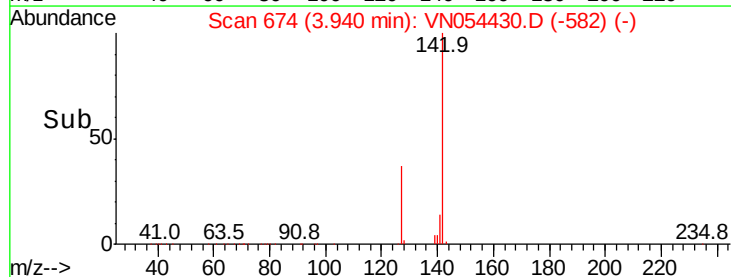
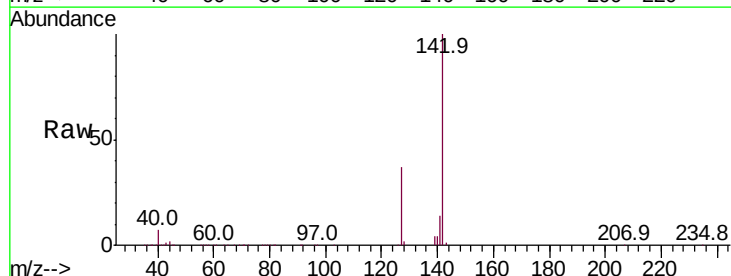
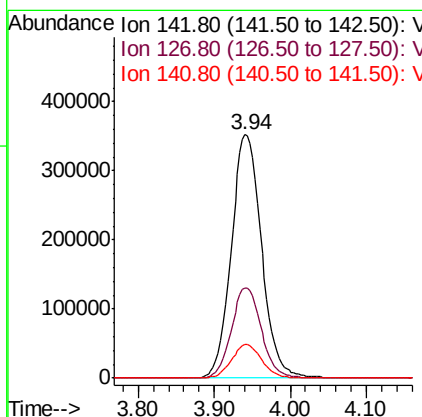
RT: 3.94 min Scan# 674

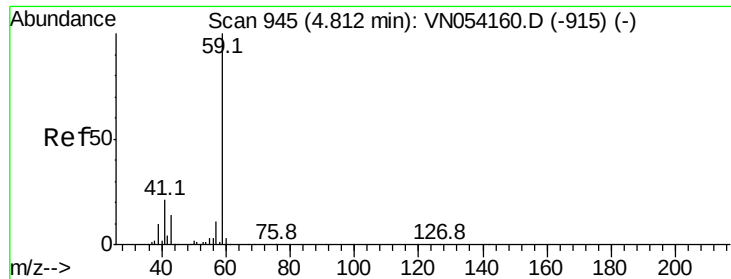
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:	142	Resp:	973272
Ion Ratio	Lower	Upper	
142	100		
127	37.0	30.3	45.5
141	13.8	11.2	16.8





#11

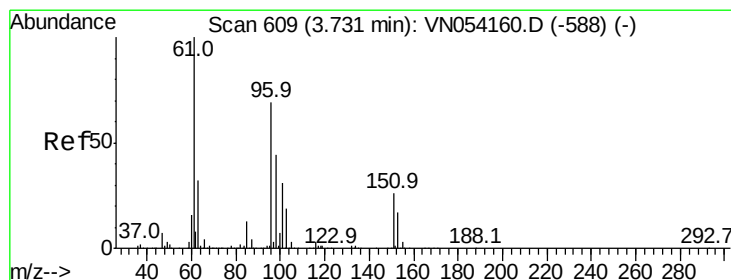
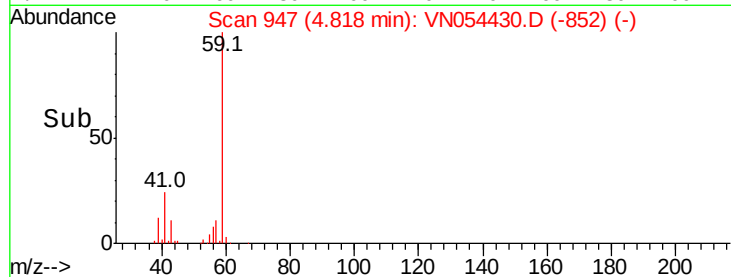
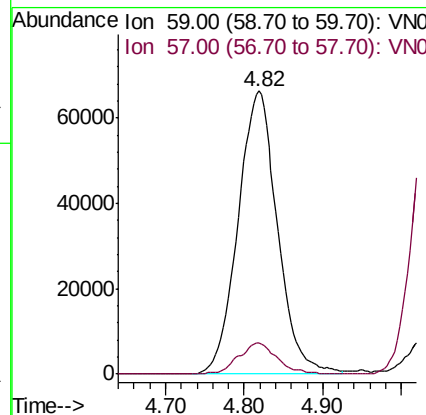
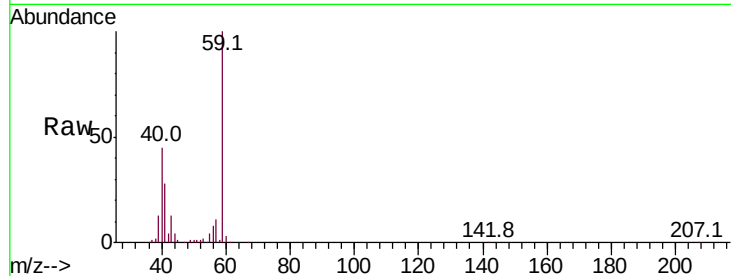
Tert butyl alcohol
Concen: 232.065 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.6

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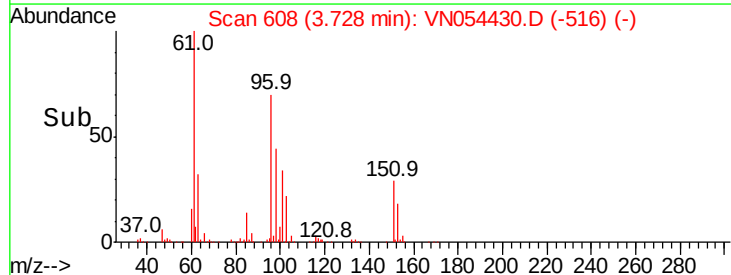
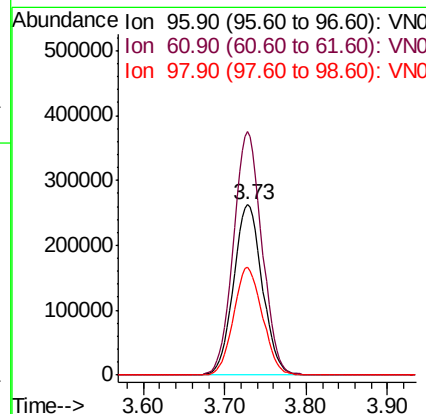
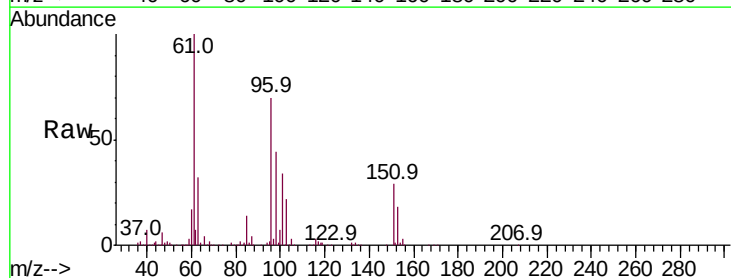
MMDadoda
3/20/2019 12:21:23 PM

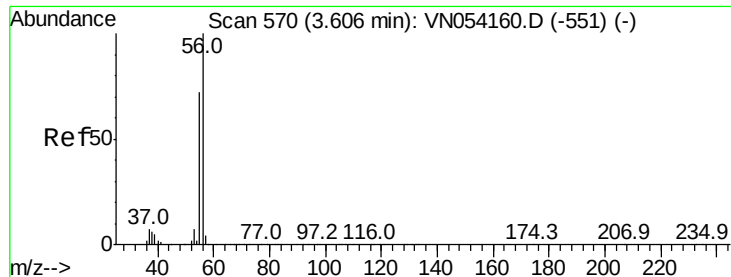


#12

1,1-Dichloroethene
Concen: 45.199 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.7	116.5	174.7
98	63.2	51.0	76.4





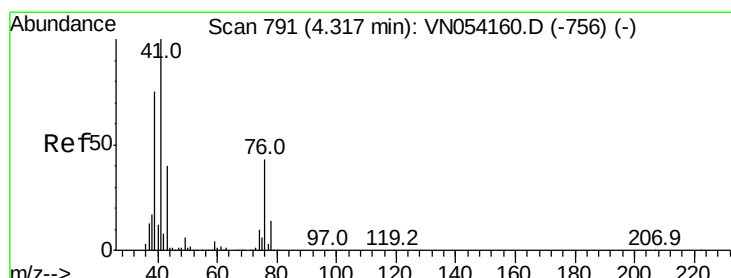
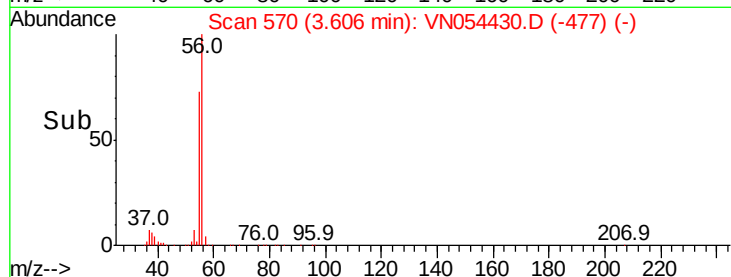
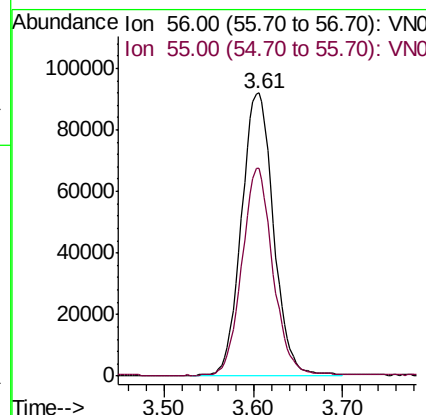
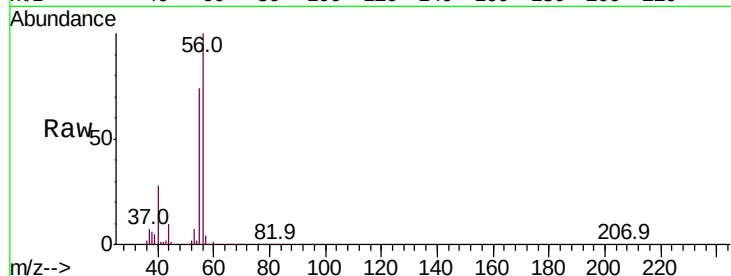
#13
Acrolein
Concen: 239.244 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.7	85.1

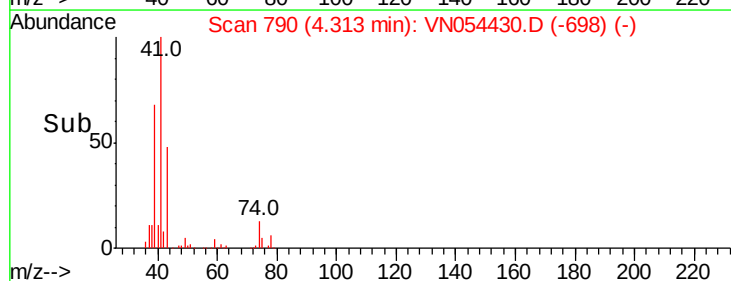
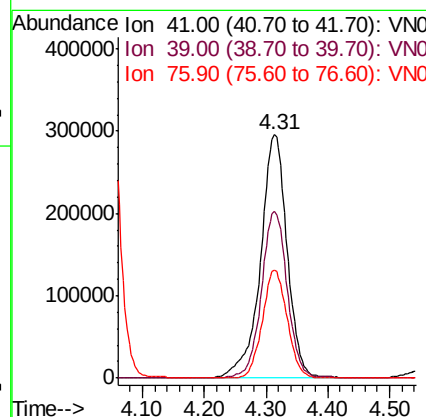
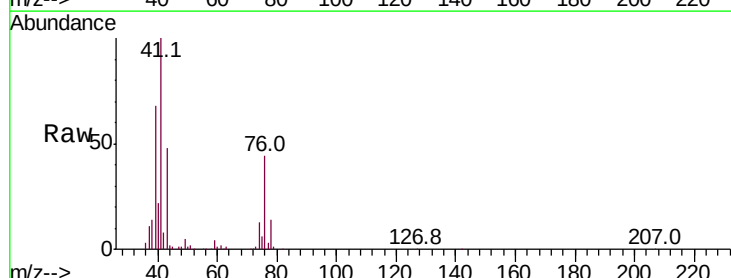
Manual Integrations
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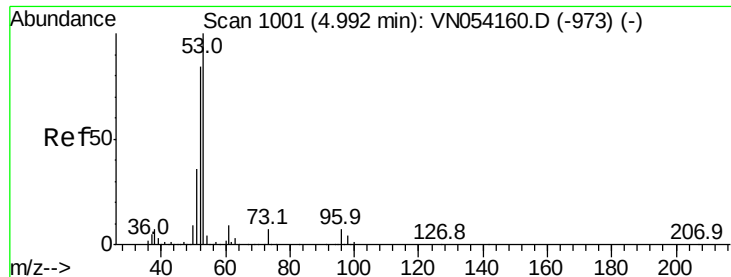
MMDadoda
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#14
Allyl chloride
Concen: 47.956 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.2	58.2	87.4
76	41.1	31.7	47.5





#15

Acrylonitrile

Concen: 276.200 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1139025

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

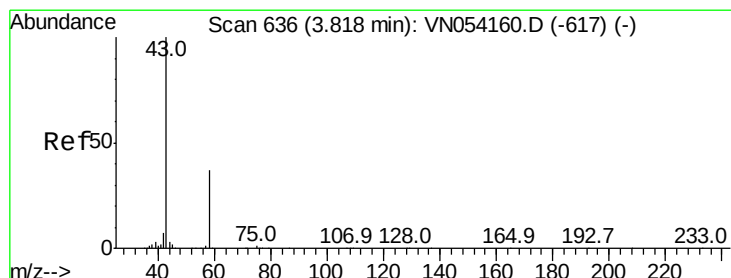
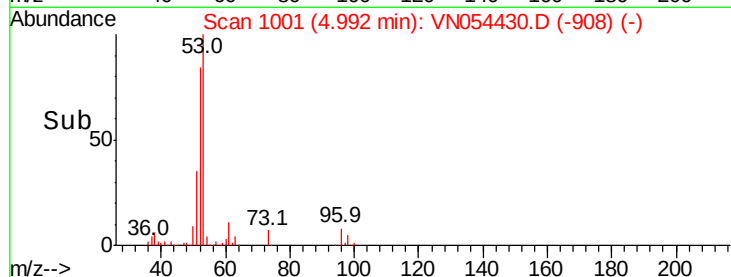
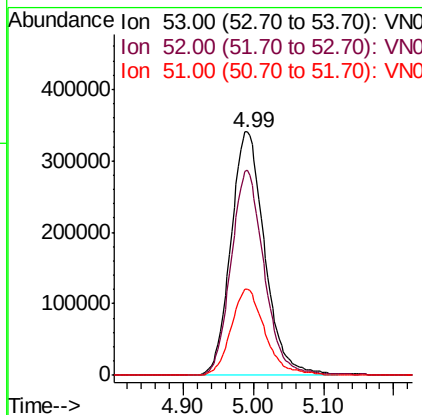
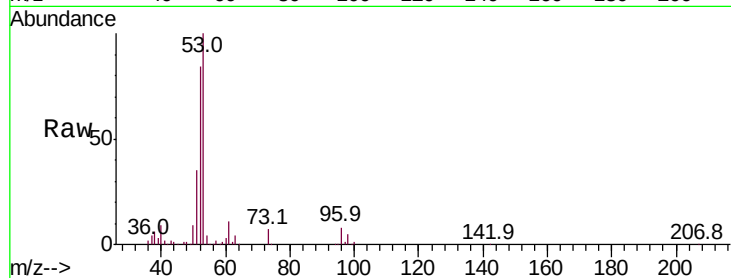
51 35.7 29.6 44.4

Manual Integrations

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#16

Acetone

Concen: 231.146 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054430.D

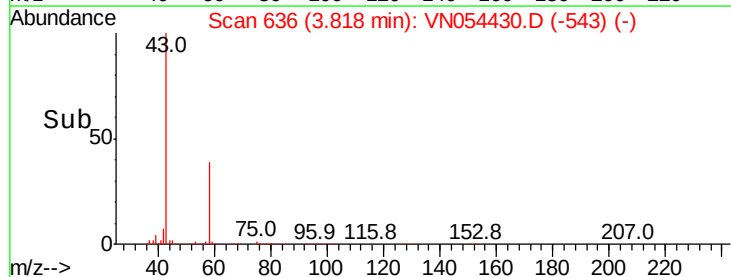
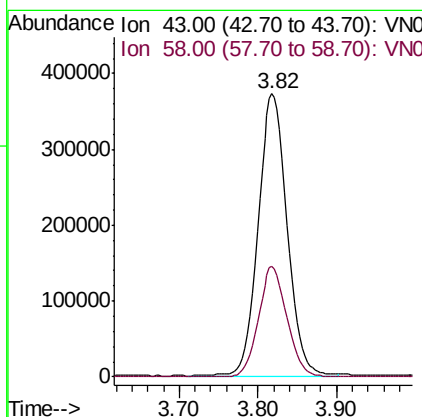
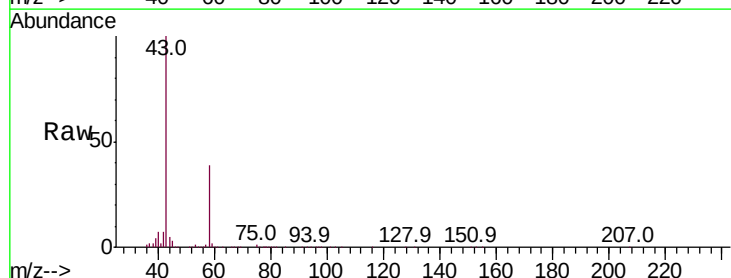
Acq: 19 Mar 2019 10:17

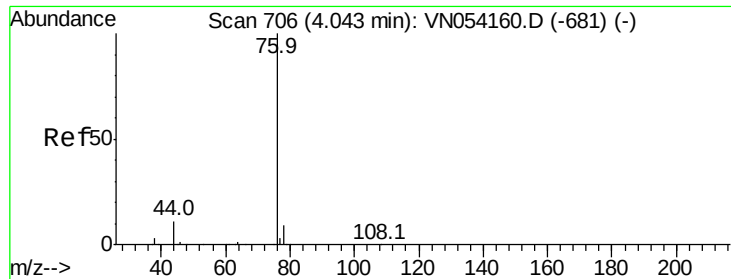
Tgt Ion: 43 Resp: 969210

Ion Ratio Lower Upper

43 100

58 39.1 29.9 44.9





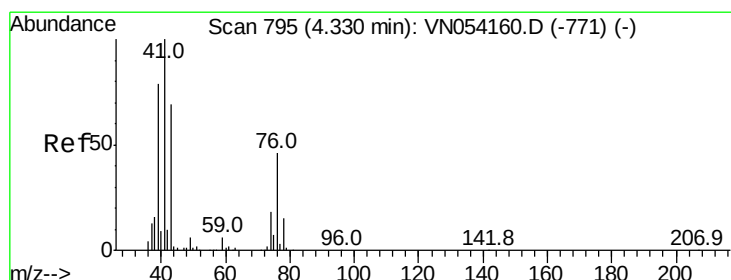
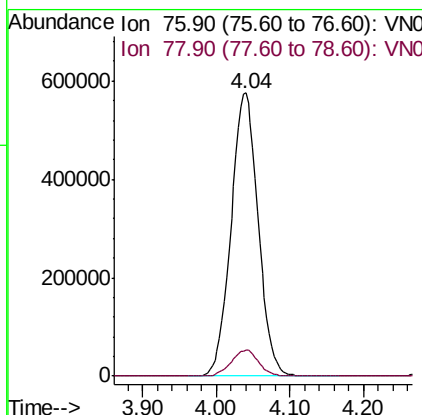
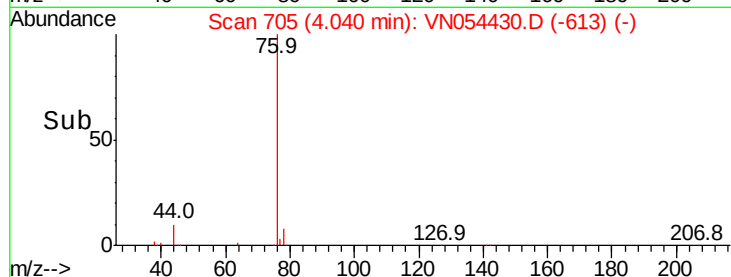
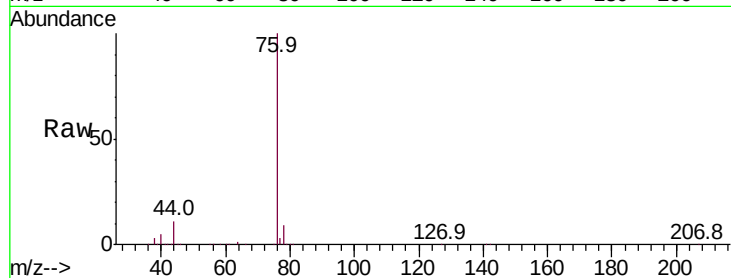
#17
Carbon Disulfide
Concen: 40.962 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1471041
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

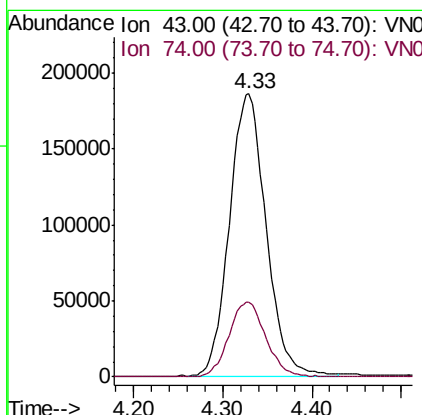
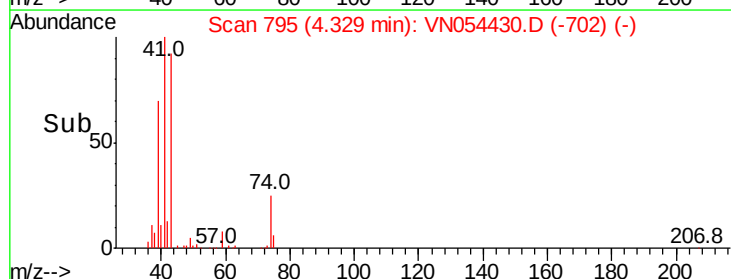
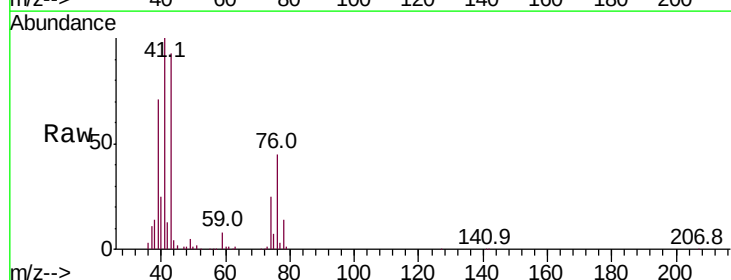
Manual Integrations
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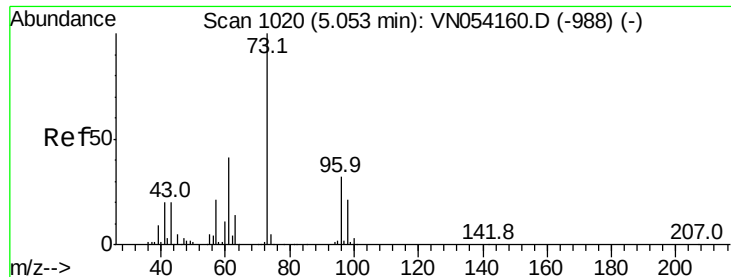
MMDadoda
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#18
Methyl Acetate
Concen: 62.063 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 43 Resp: 526499
Ion Ratio Lower Upper
43 100
74 26.9 20.8 31.2





#19

Methvl tert-butyl Ether

Concen: 51.647 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 73 Resp: 1833937

Ion Ratio Lower Upper

73 100

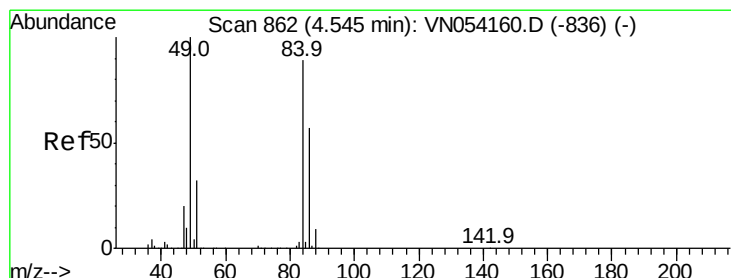
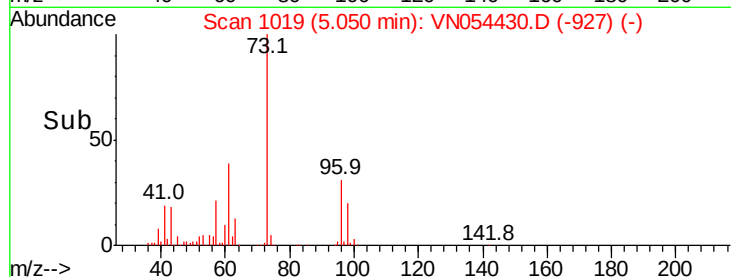
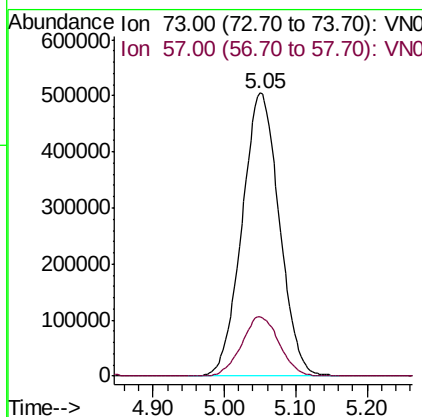
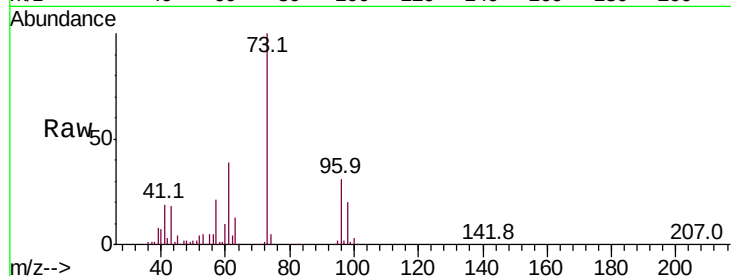
57 20.8 16.8 25.2

Manual Integrations

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#20

Methylene Chloride

Concen: 50.724 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion: 84 Resp: 698374

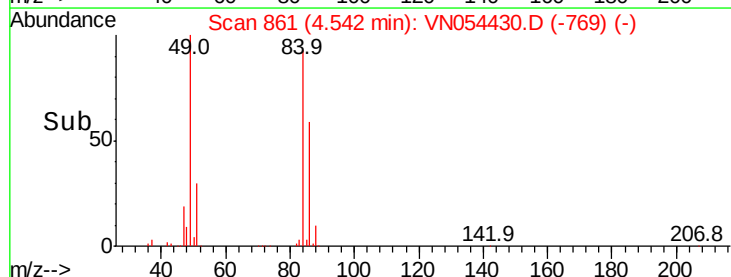
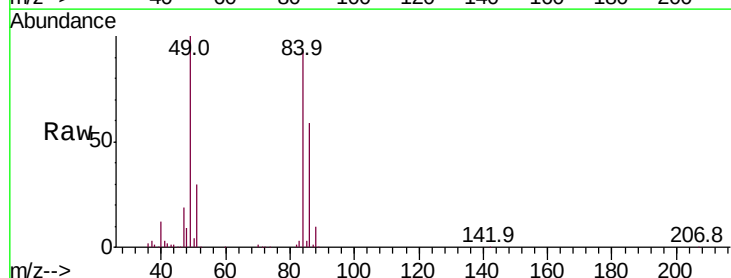
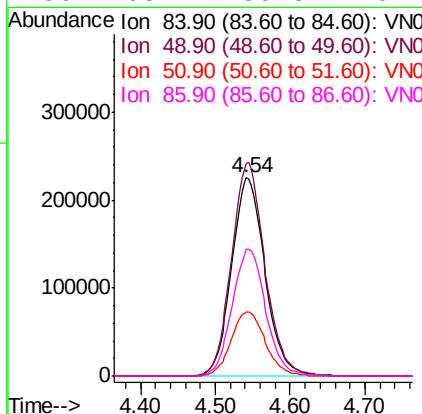
Ion Ratio Lower Upper

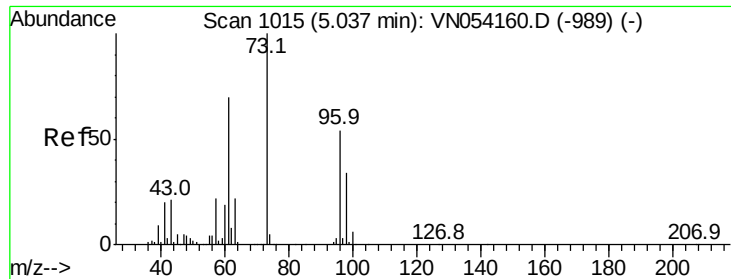
84 100

49 107.5 89.7 134.5

51 32.5 28.2 42.4

86 63.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.262 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

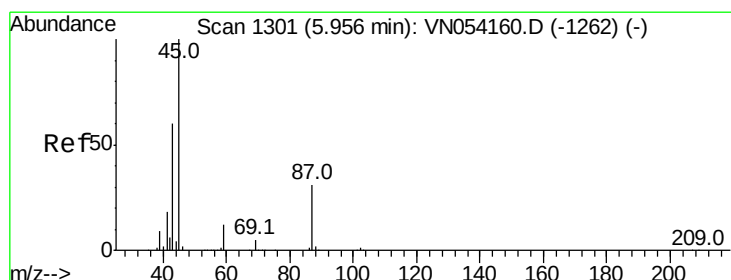
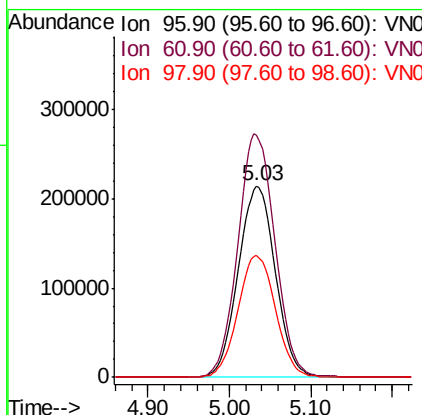
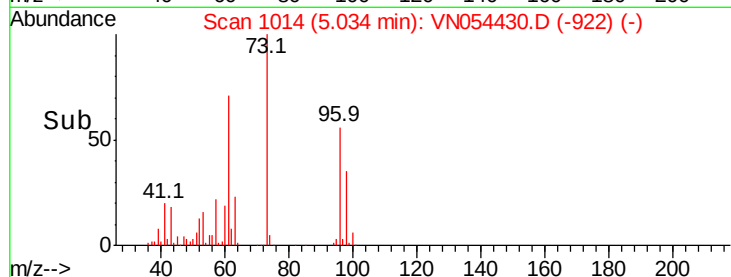
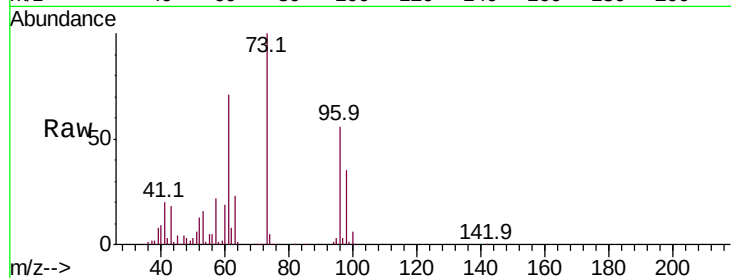
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 676166

Ion	Ratio	Lower	Upper
96	100		
61	126.7	102.8	154.2
98	63.5	50.0	75.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.725 ug/l

RT: 5.96 min Scan# 1302

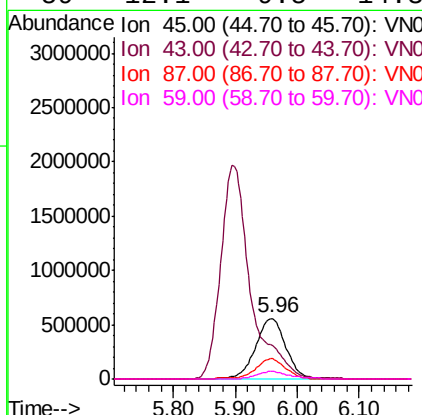
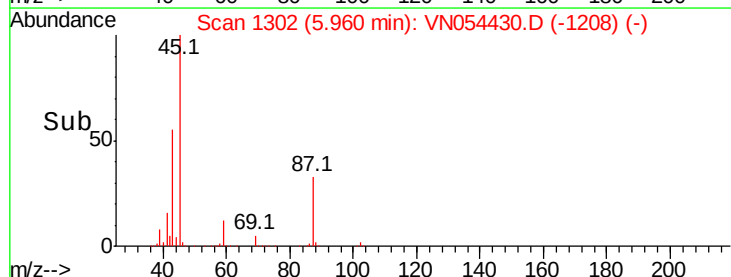
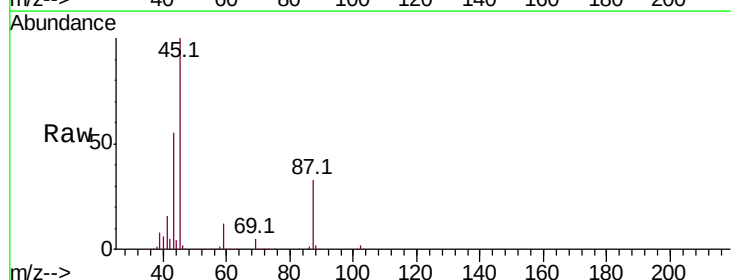
Delta R.T. 0.00 min

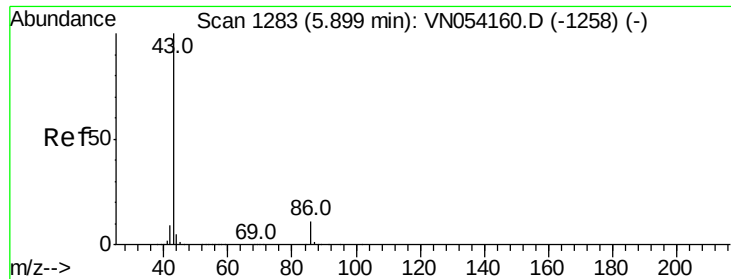
Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion: 45 Resp: 1897481

Ion	Ratio	Lower	Upper
45	100		
43	54.8	48.2	72.2
87	32.8	24.9	37.3
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 245.300 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 6634750

Ion Ratio Lower Upper

43 100

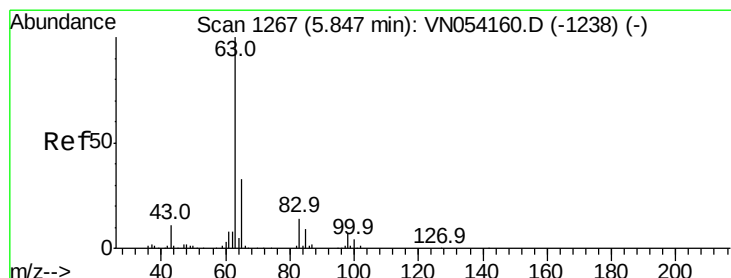
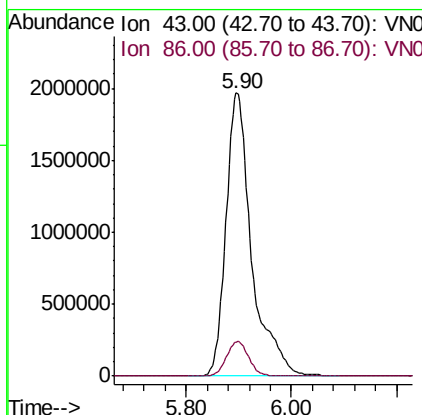
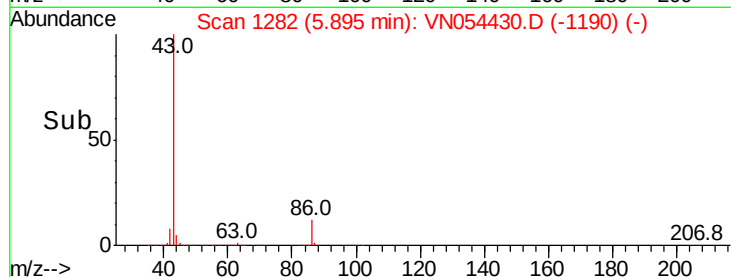
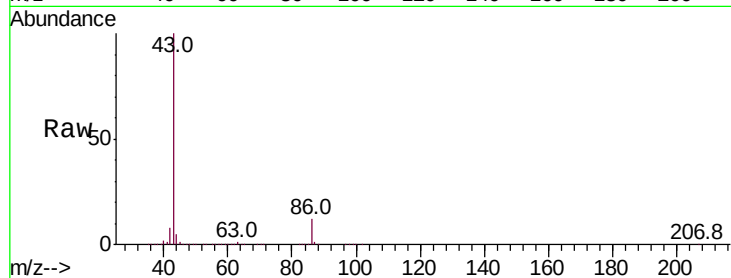
86 12.1 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.157 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

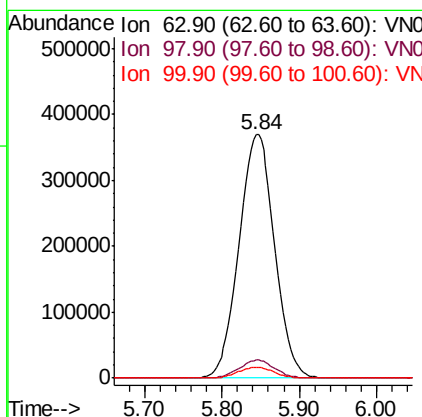
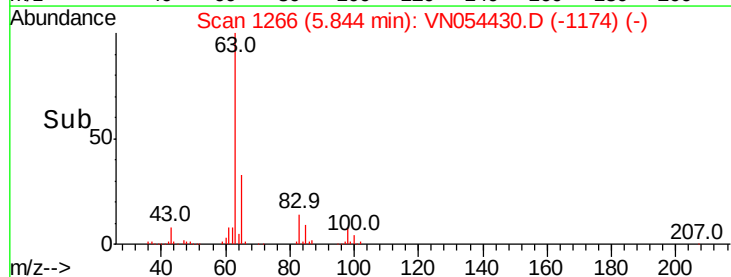
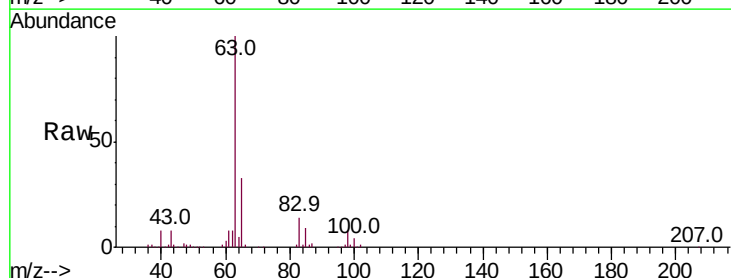
Tgt Ion: 63 Resp: 1181411

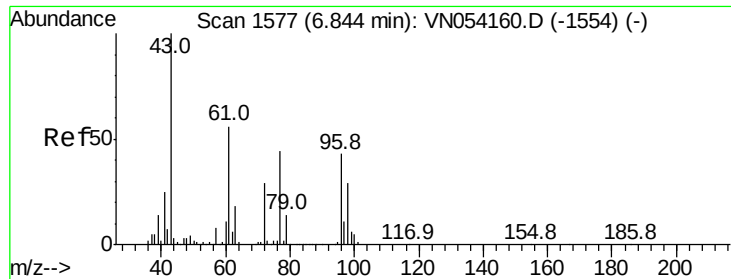
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 4.4 2.0 6.0





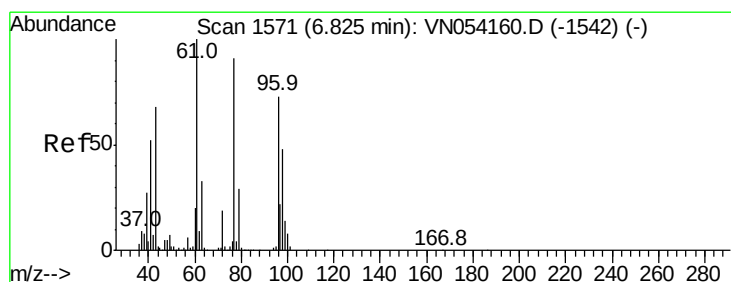
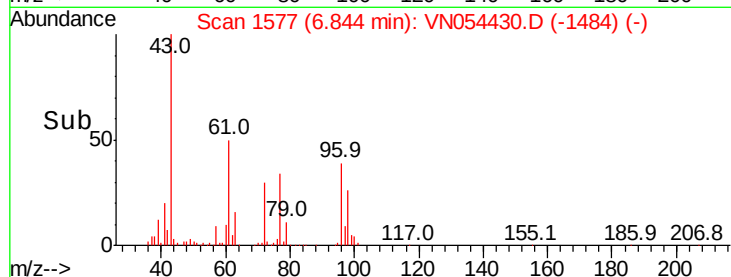
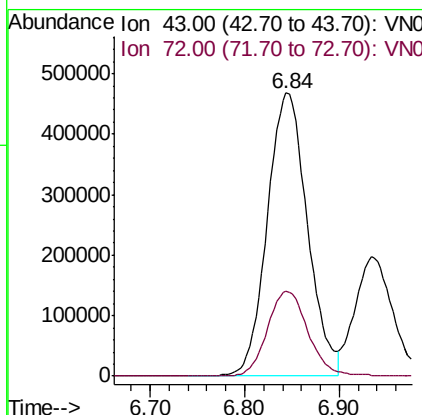
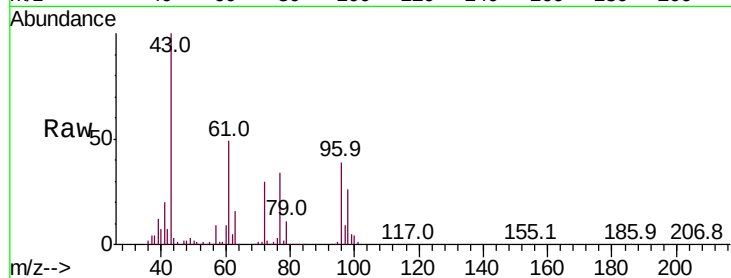
#25
 2-Butanone
 Concen: 278.057 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 1368423
 Ion Ratio Lower Upper
 43 100
 72 30.1 23.0 34.6

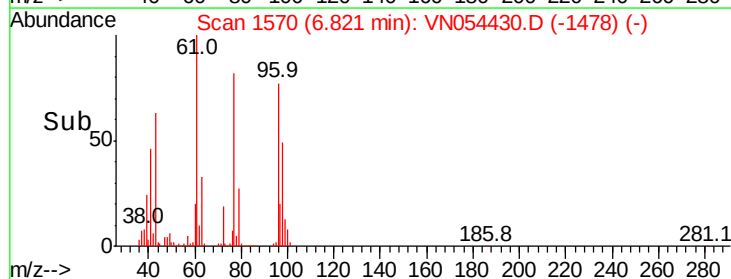
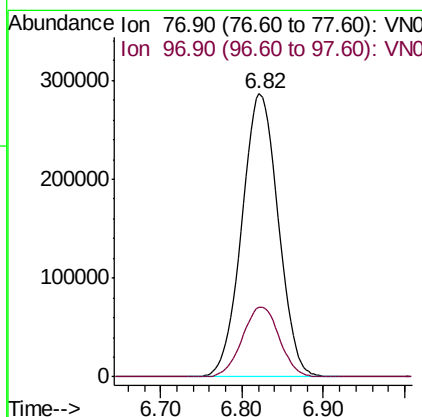
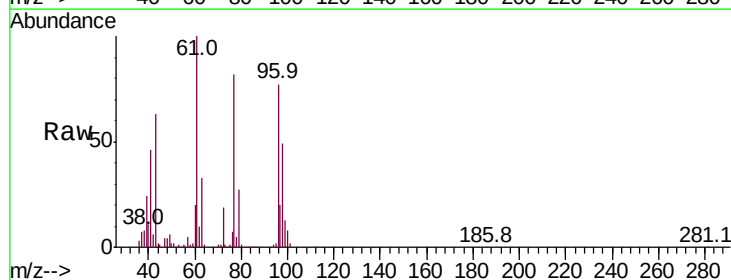
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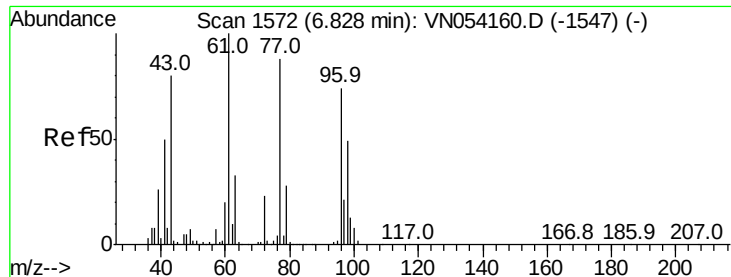
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 42.616 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion: 77 Resp: 882739
 Ion Ratio Lower Upper
 77 100
 97 25.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.995 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

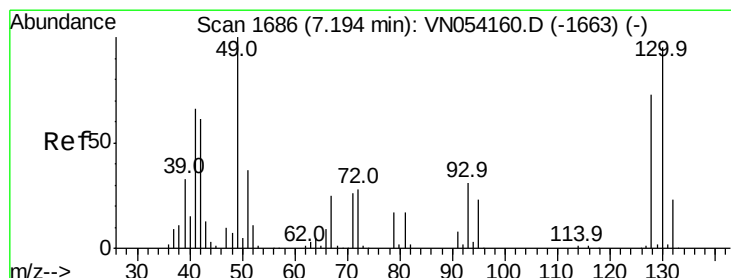
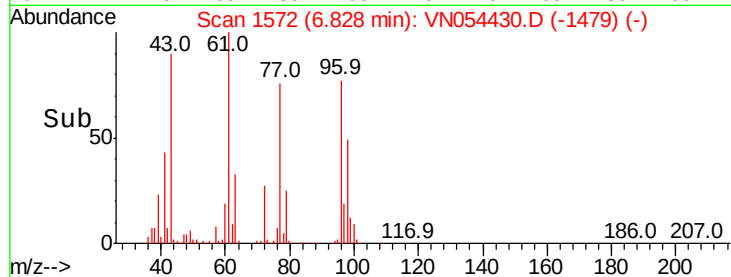
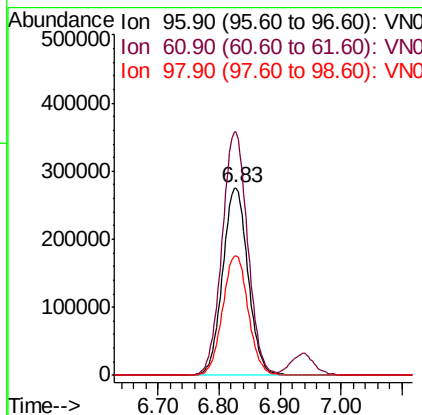
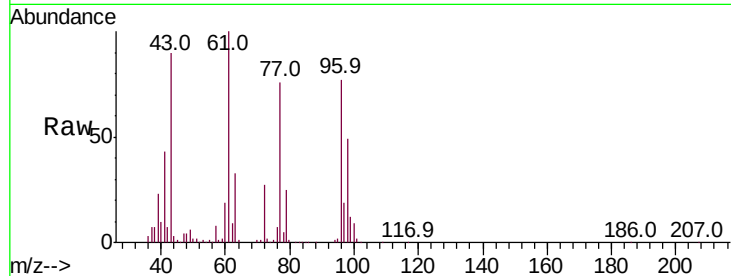
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	796193
Ion Ratio	Lower	Upper	
96	100		
61	130.9	0.0	273.0
98	64.3	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 46.141 ug/l

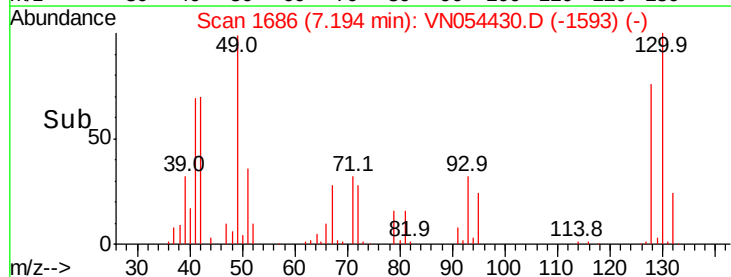
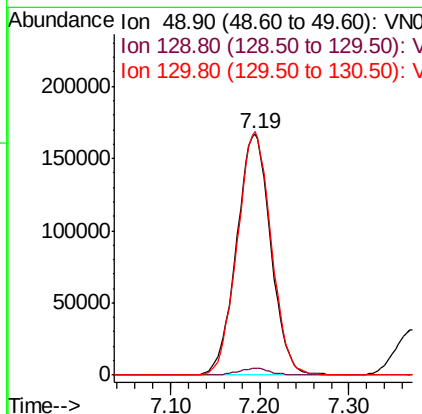
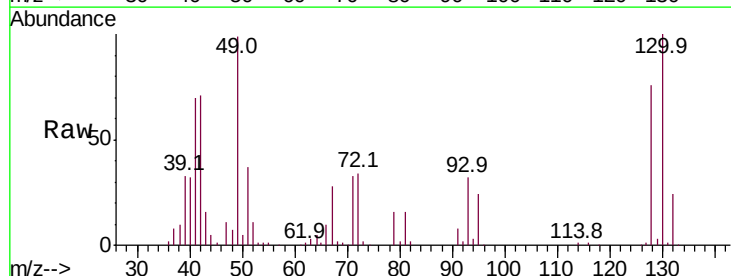
RT: 7.19 min Scan# 1686

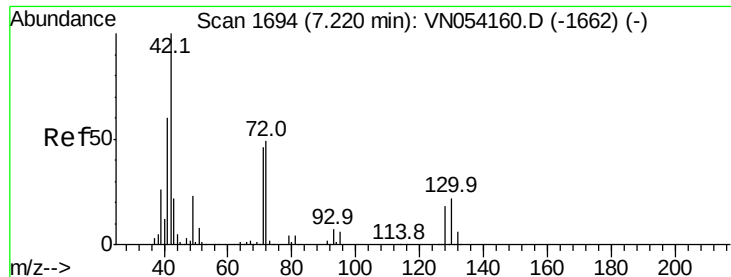
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:	49	Resp:	444307
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.6
130	100.0	76.7	115.1





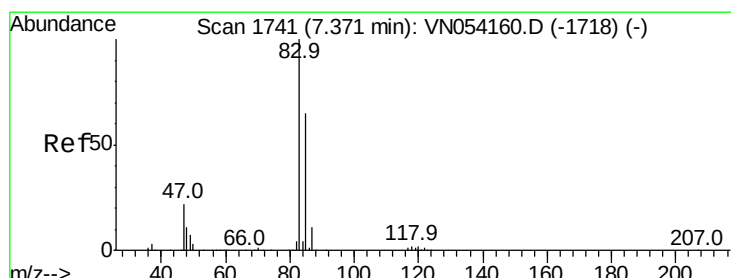
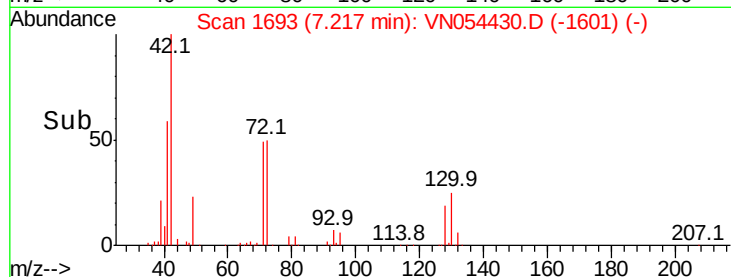
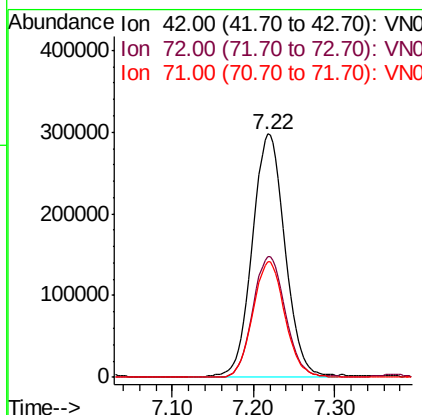
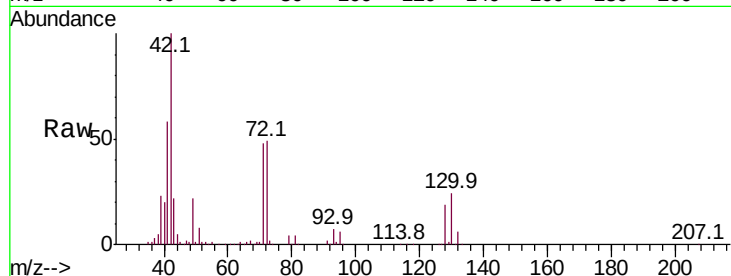
#29
Tetrahydrofuran
Concen: 261.415 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	37.8	56.6
71	46.6	36.2	54.2

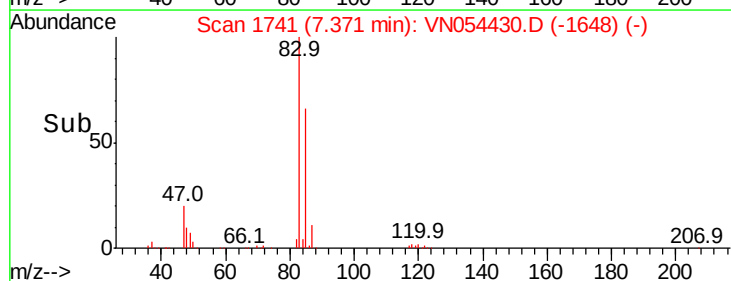
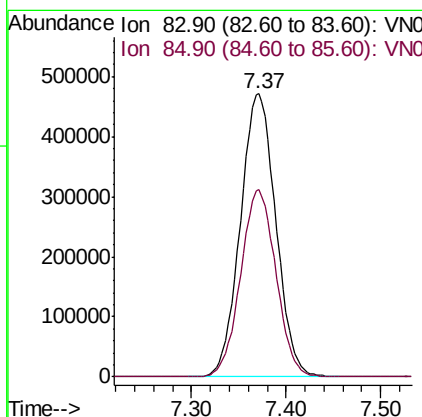
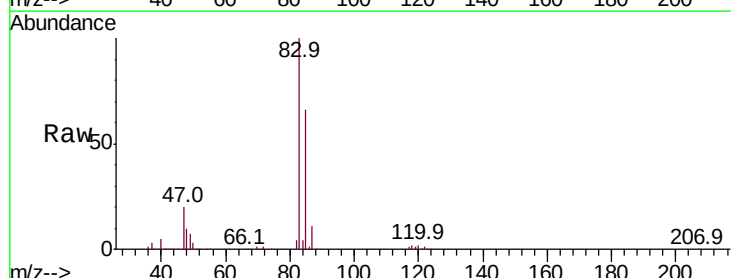
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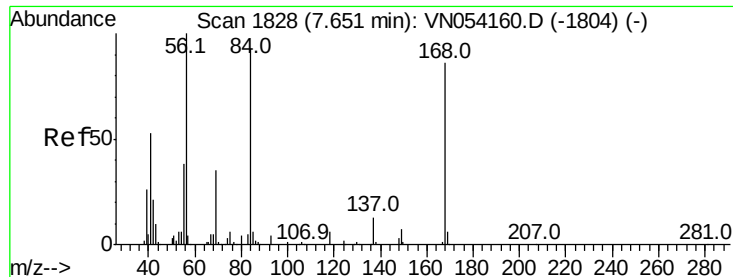
MMDadoda
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#30
Chloroform
Concen: 49.952 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4





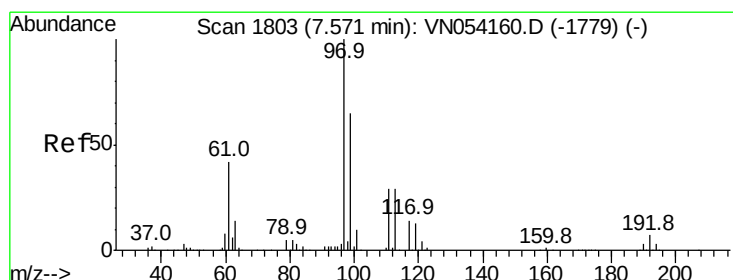
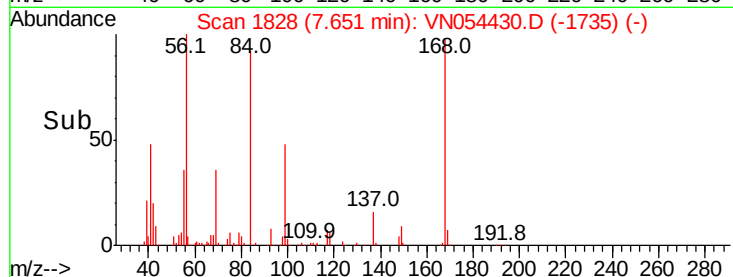
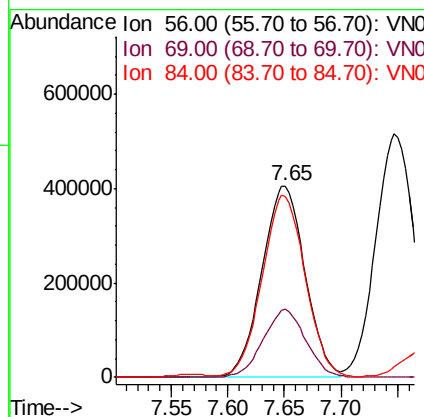
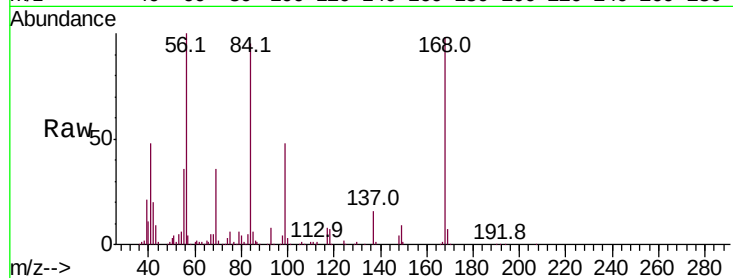
#31
Cyclohexane
Concen: 48.822 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 56 Resp: 1075767
Ion Ratio Lower Upper
56 100
69 35.8 27.8 41.6
84 93.4 74.6 111.8

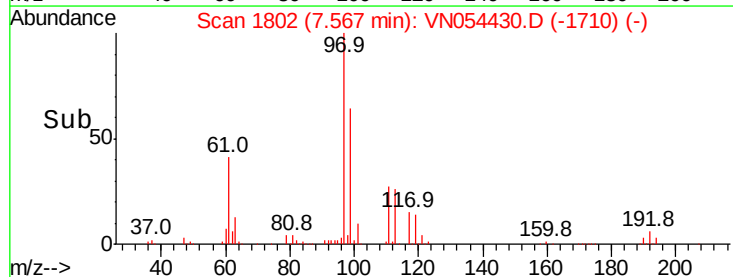
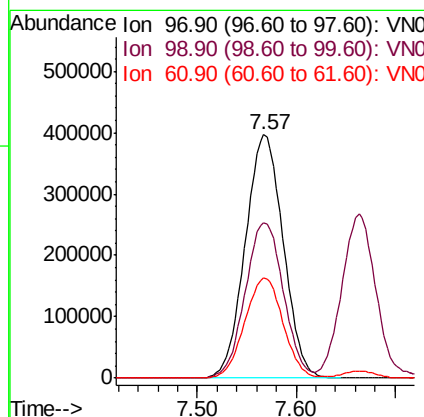
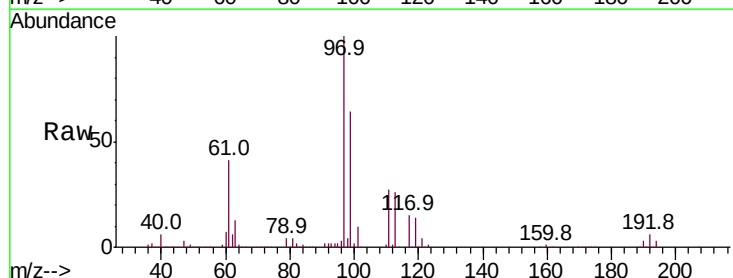
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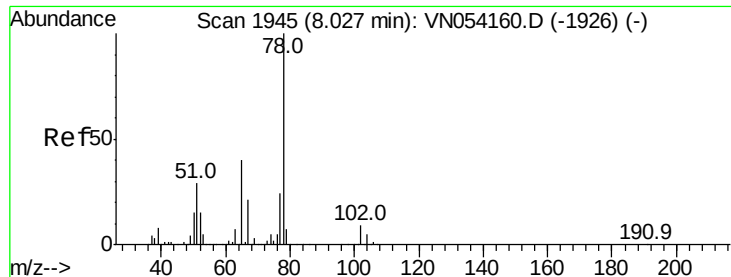
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.533 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 97 Resp: 1055138
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 41.4 33.6 50.4





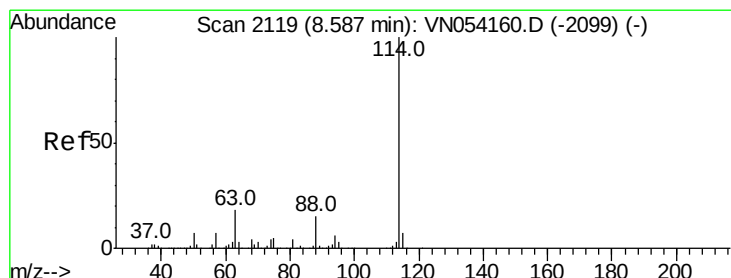
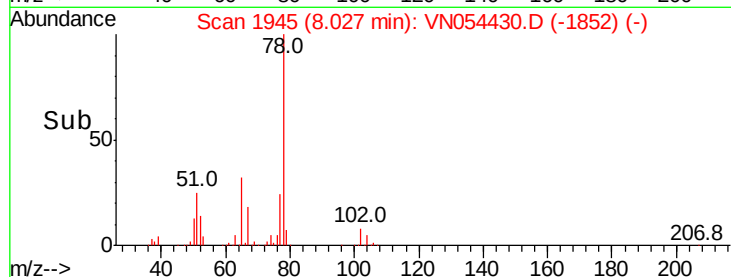
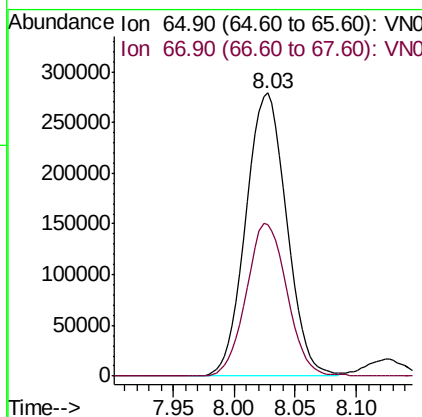
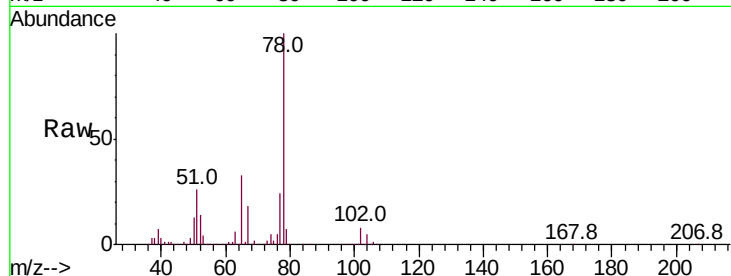
#33
 1,2-Dichloroethane-d4
 Concen: 44.154 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	104.6

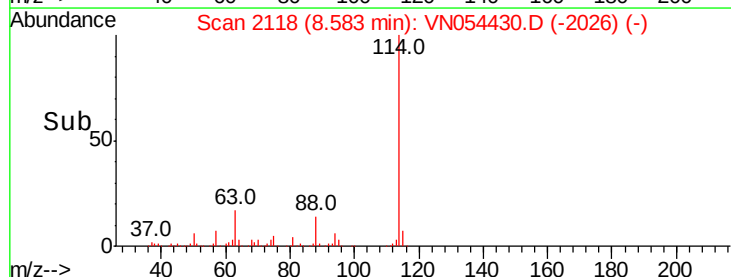
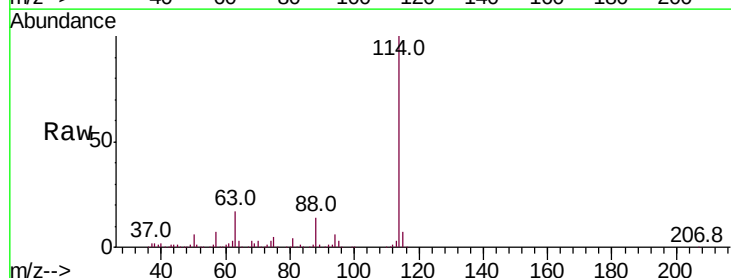
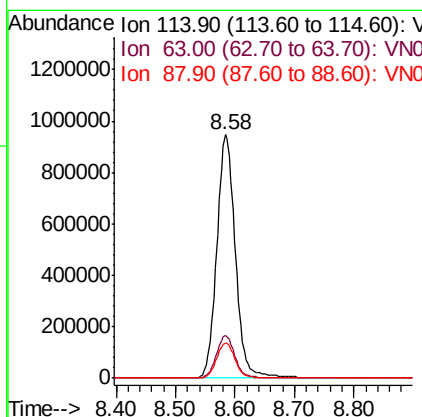
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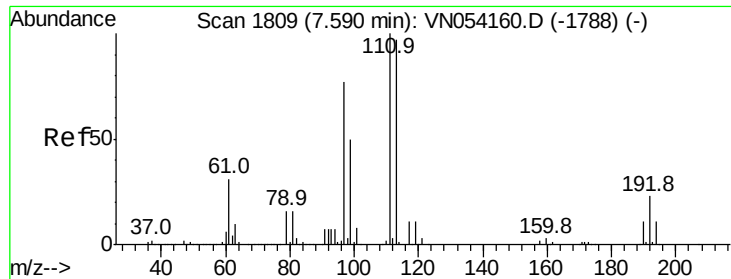
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.2
88	14.3	0.0	30.2





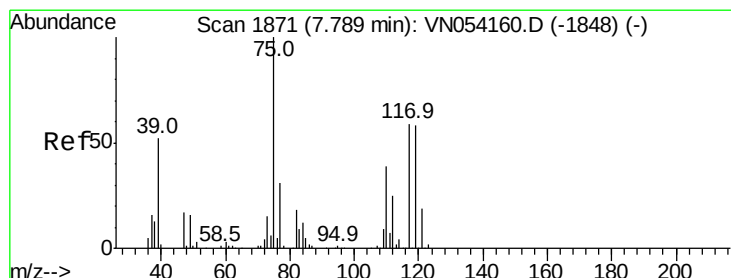
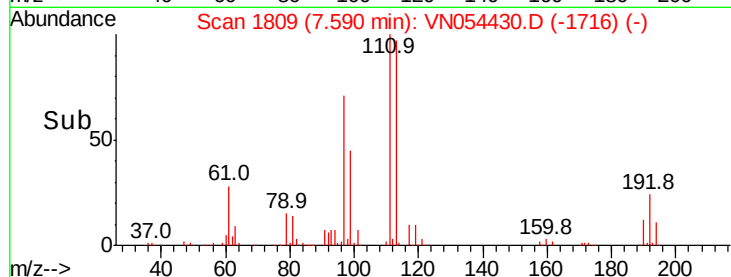
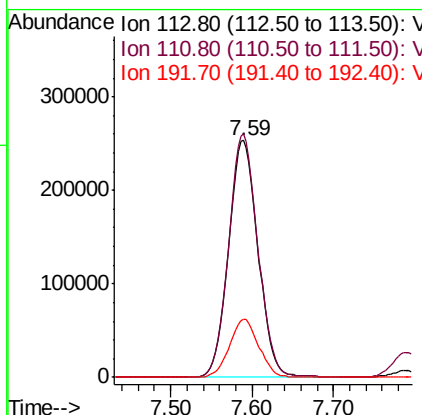
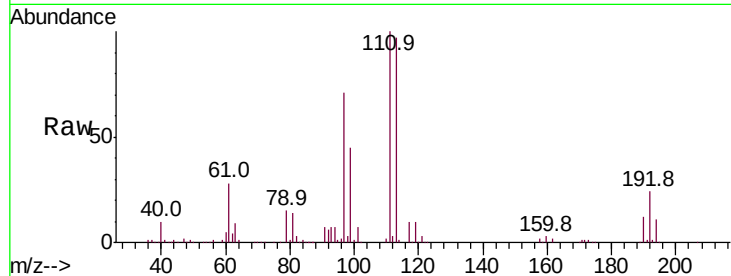
#35
 Dibromofluoromethane
 Concen: 48.598 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	640135		
111	102.1	82.2	123.4	
192	24.4	19.2	28.8	

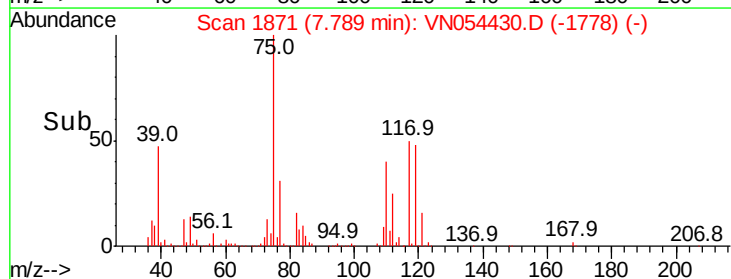
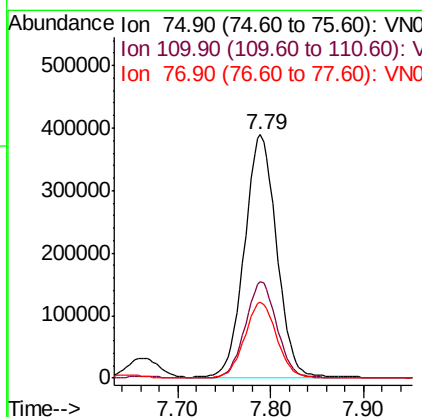
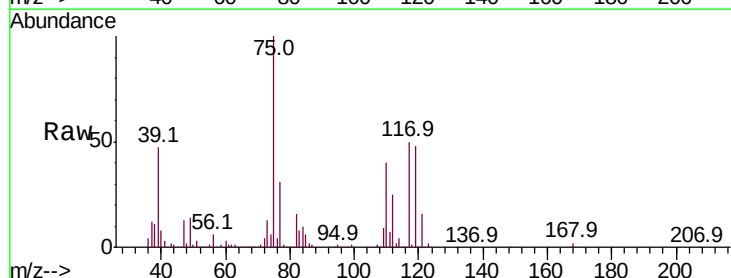
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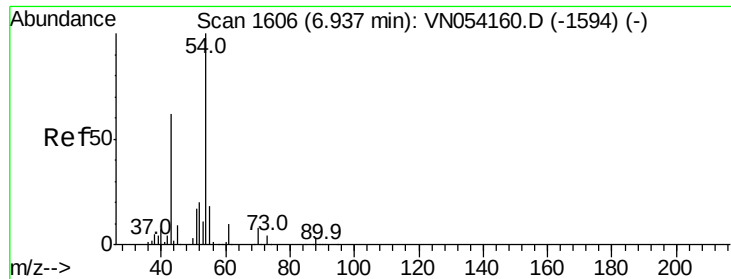
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.552 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	931957		
110	39.6	19.1	57.5	
77	31.7	25.0	37.4	





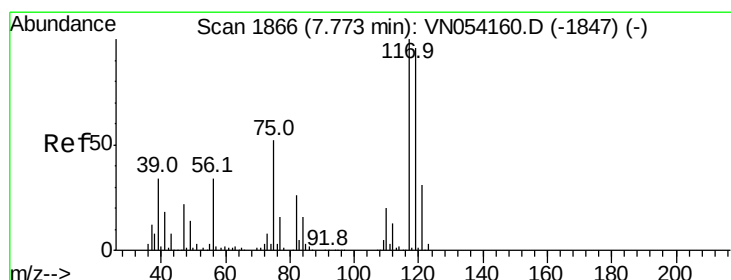
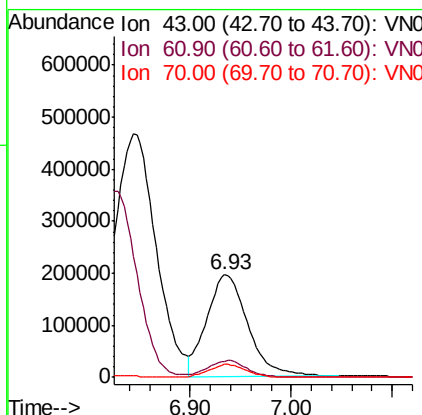
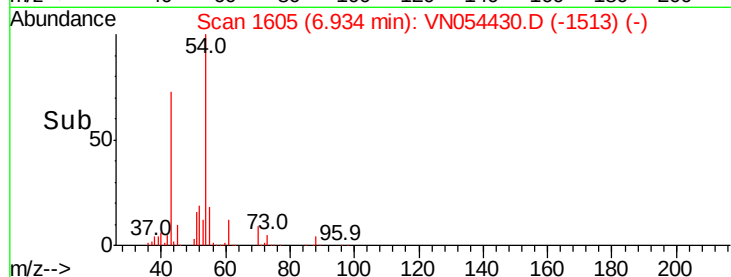
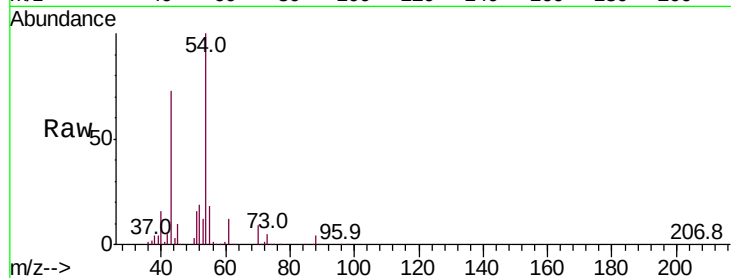
#37
Ethyl Acetate
Concen: 50.975 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	11.6	8.4	12.6

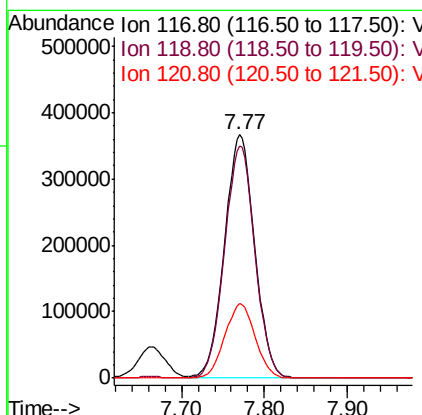
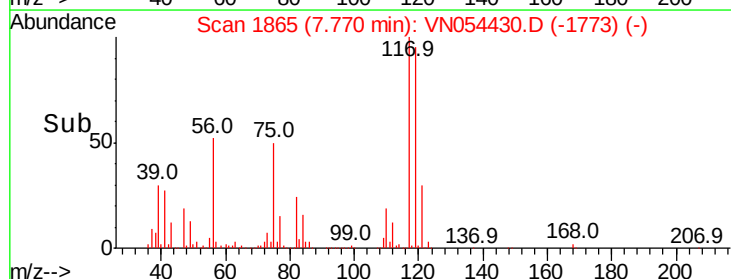
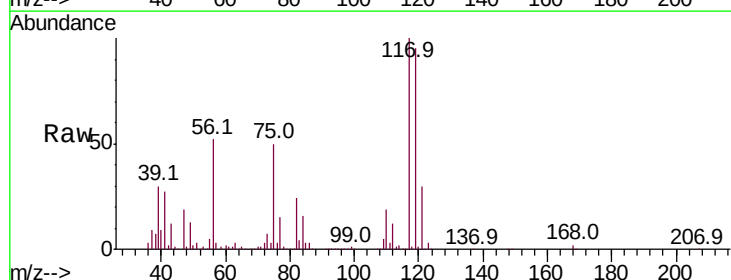
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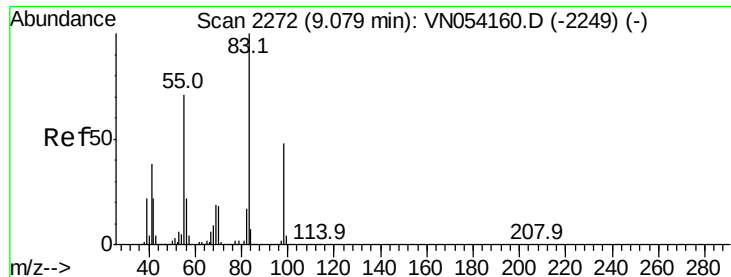
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#38
Carbon Tetrachloride
Concen: 47.021 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.3	114.5
121	30.5	24.6	36.8





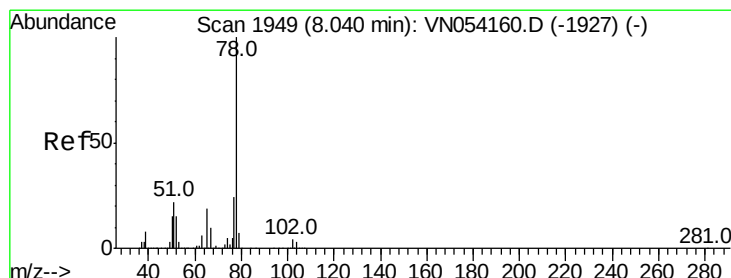
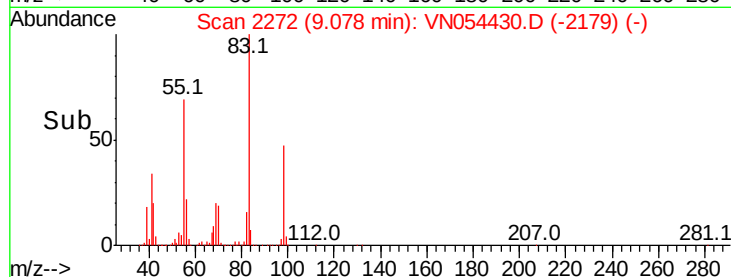
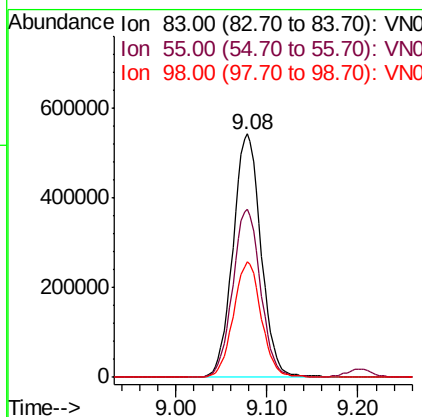
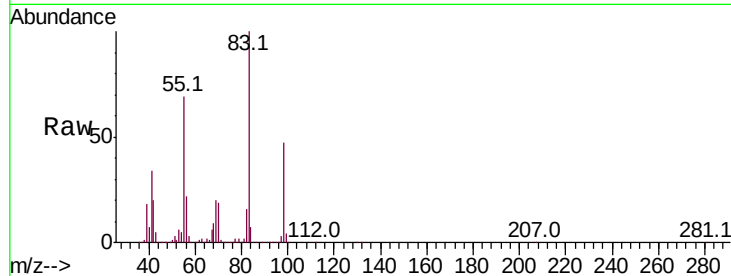
#39
Methylvlcyclohexane
Concen: 50.248 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1162781
Ion Ratio Lower Upper
83 100
55 69.0 56.6 84.8
98 47.3 38.4 57.6

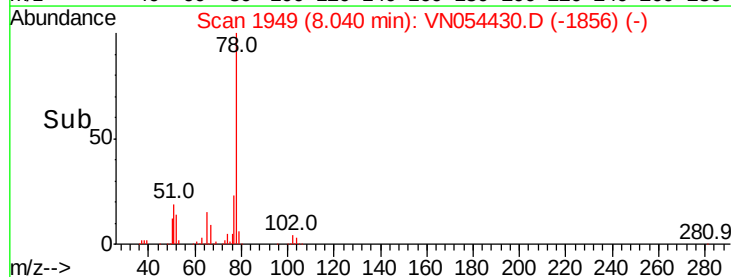
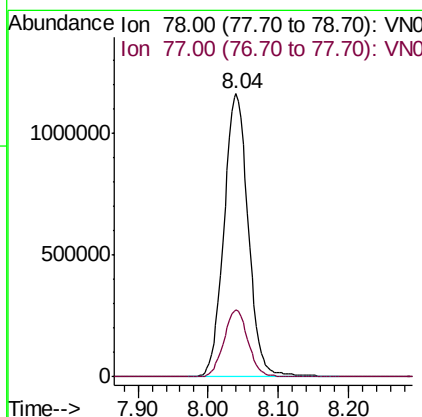
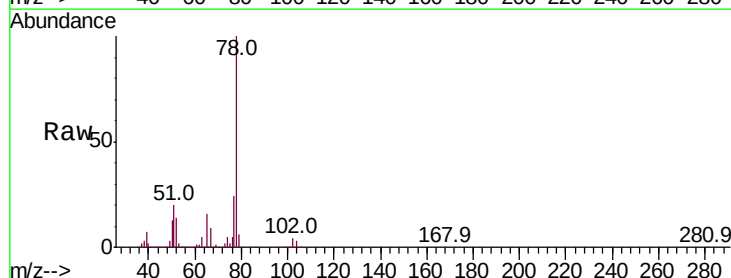
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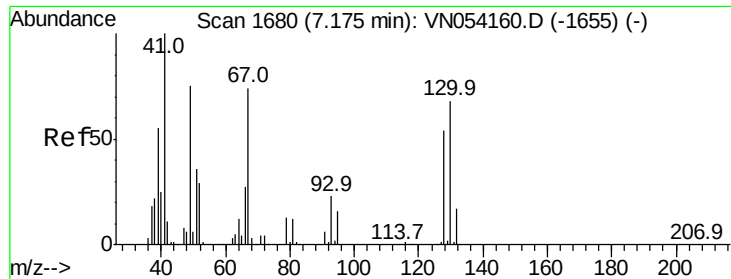
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#40
Benzene
Concen: 52.206 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 78 Resp: 2809778
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





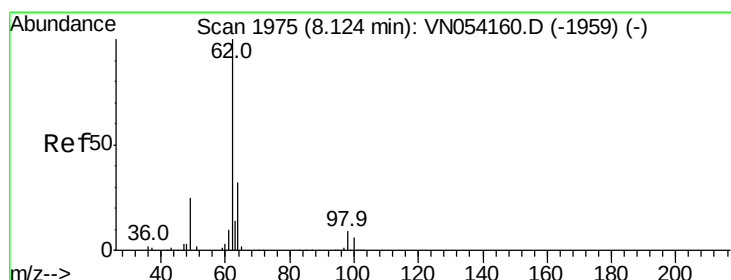
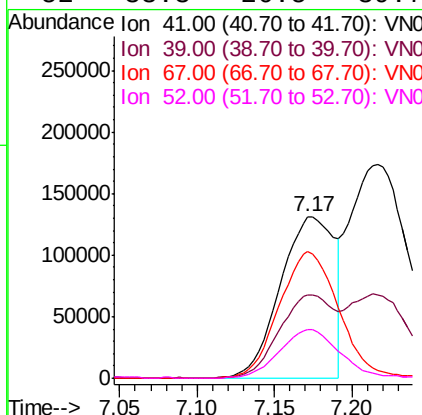
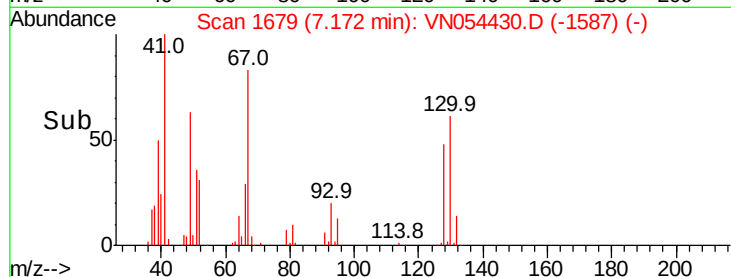
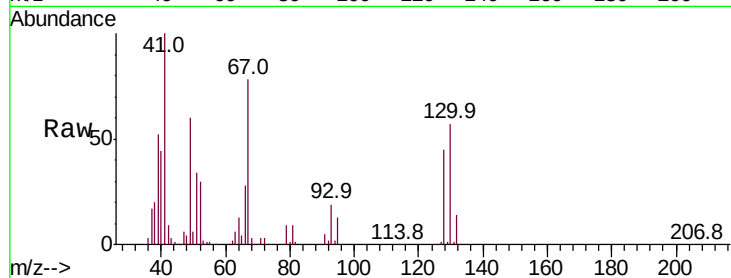
#41
Methacrylonitrile
Concen: 51.699 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	46.8	70.2	
67	87.3	67.0	100.4	
52	33.3	26.5	39.7	

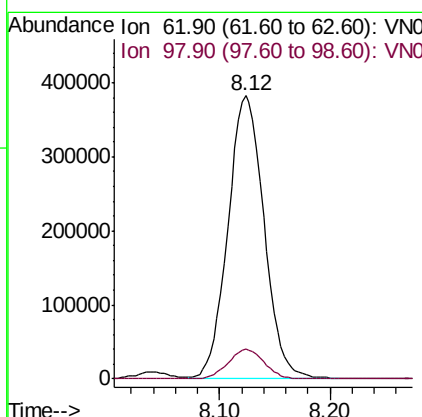
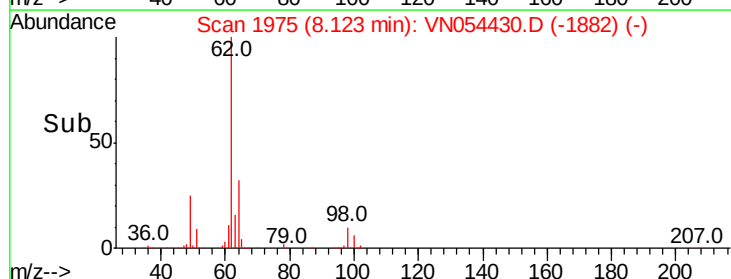
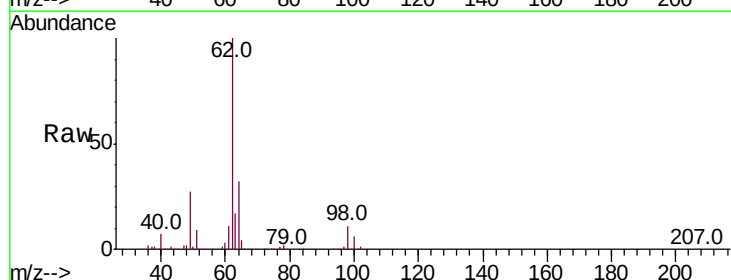
Manual Integrations
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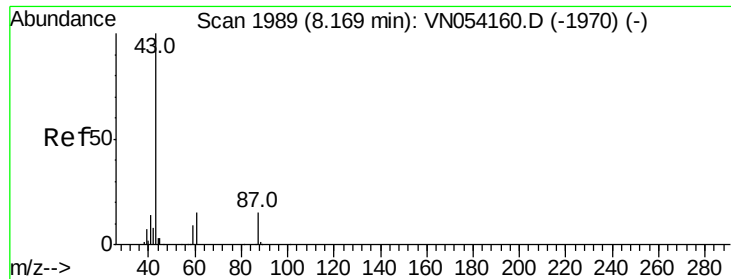
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.508 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	18.4	





#43

Isopropyl Acetate

Concen: 49.788 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

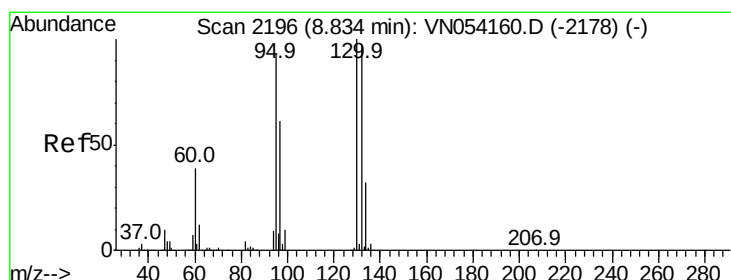
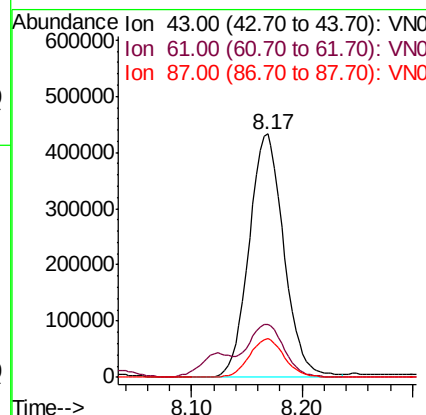
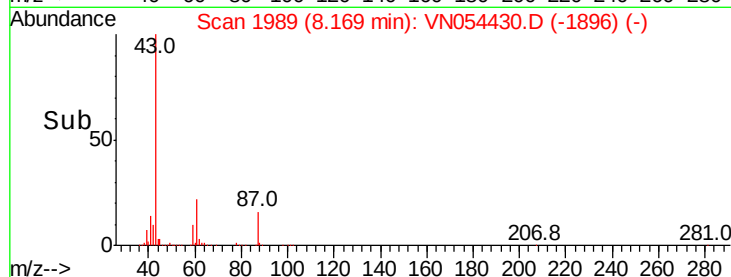
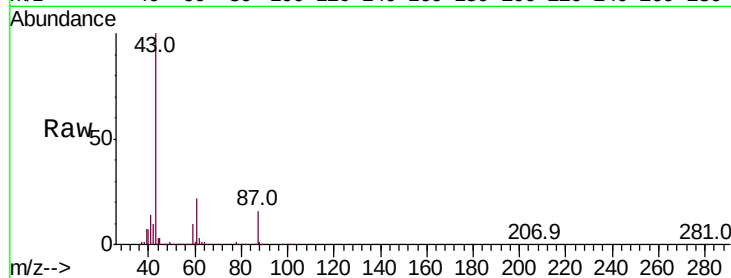
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	944423
Ion	Ratio	Lower	Upper
43	100		
61	22.2	15.8	23.8
87	15.9	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.896 ug/l

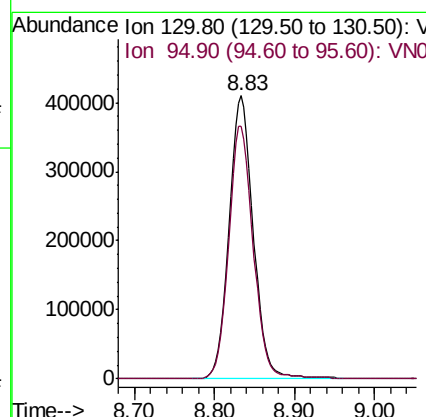
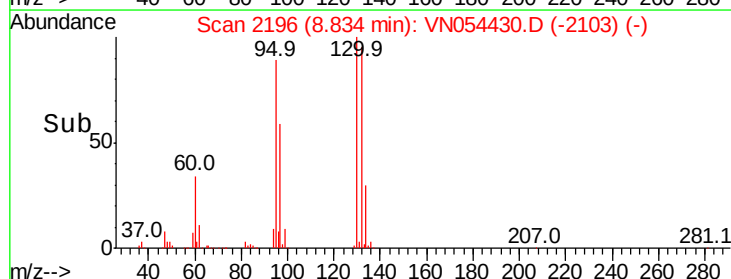
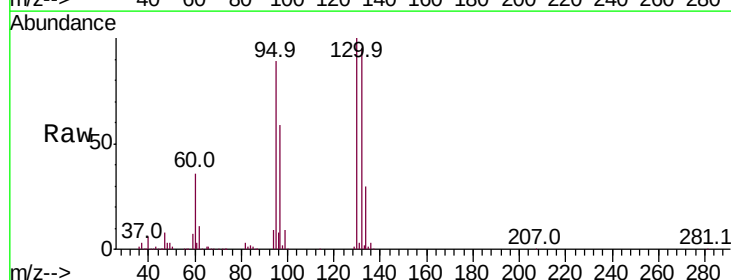
RT: 8.83 min Scan# 2196

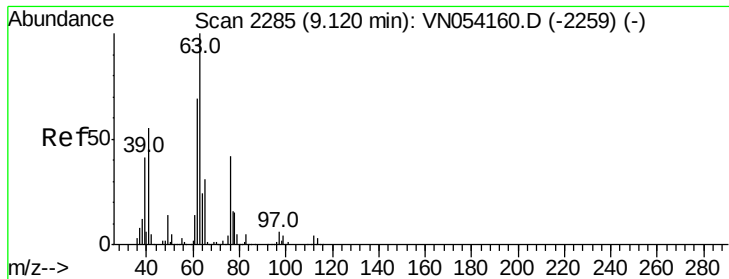
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:	130	Resp:	850945
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	185.2





#45

1,2-Dichloropropane

Concen: 53.553 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 715686

Ion Ratio Lower Upper

63 100

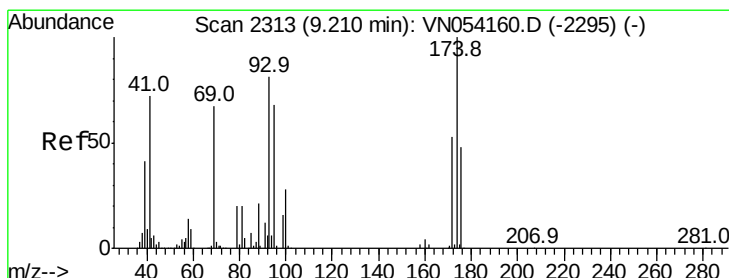
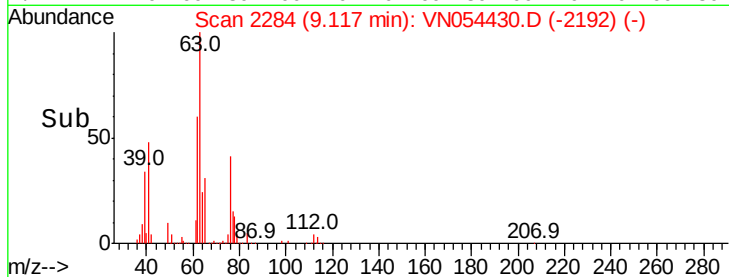
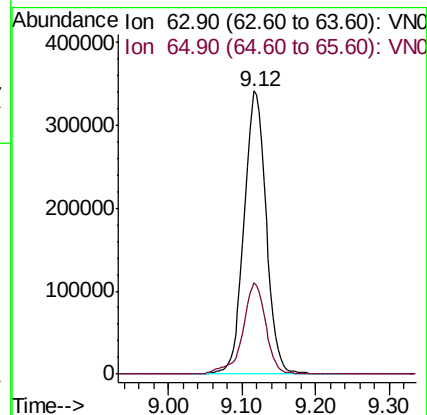
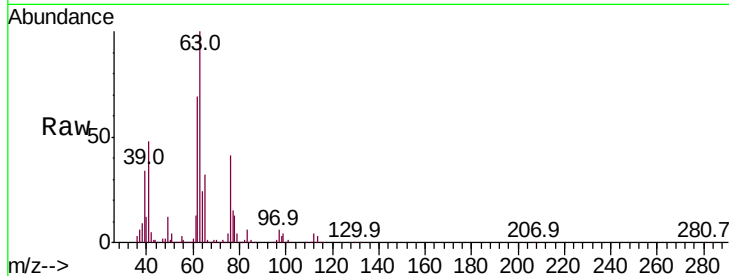
65 32.0 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 50.787 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

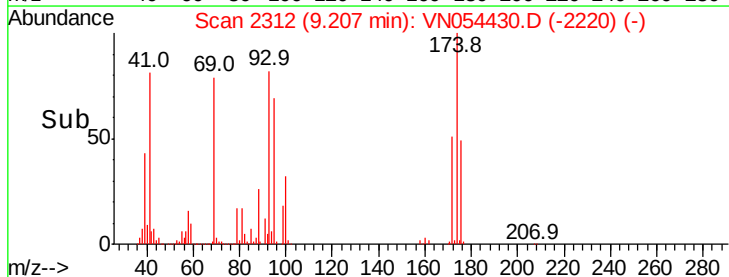
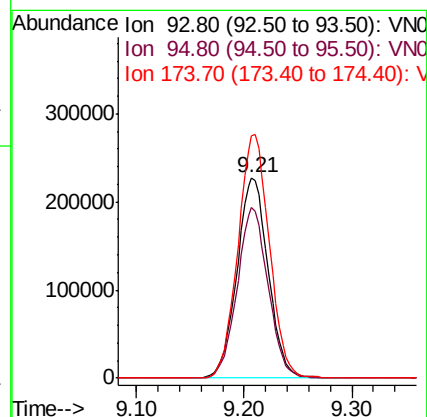
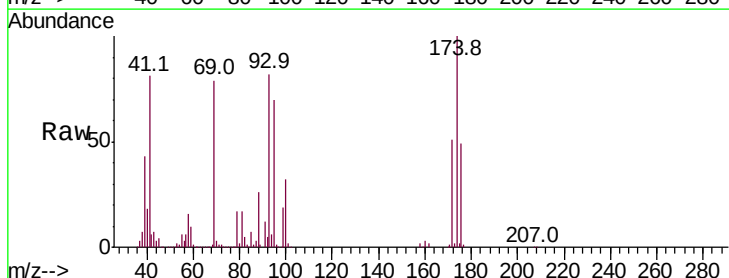
Tgt Ion: 93 Resp: 458589

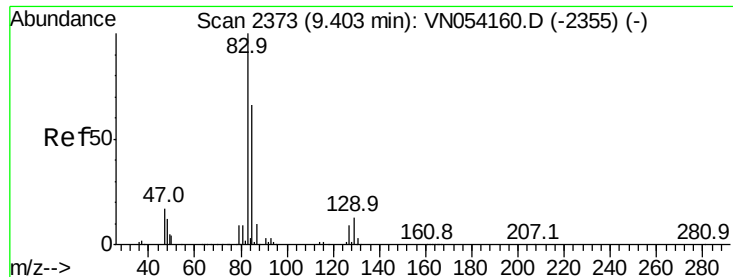
Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

174 122.7 98.5 147.7





#47

Bromodichloromethane

Concen: 50.146 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

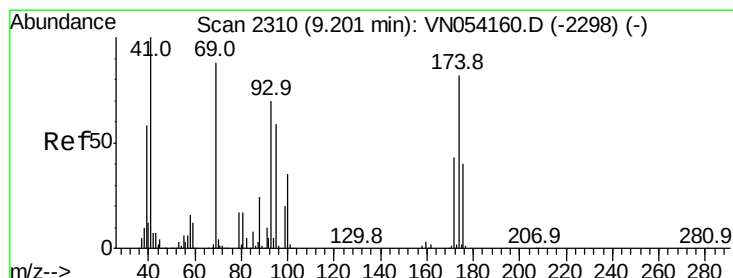
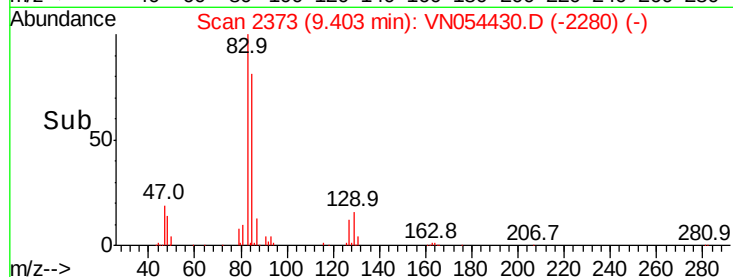
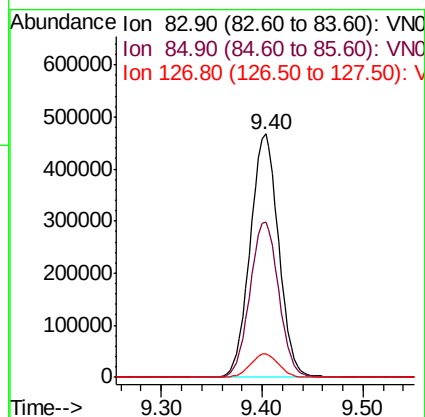
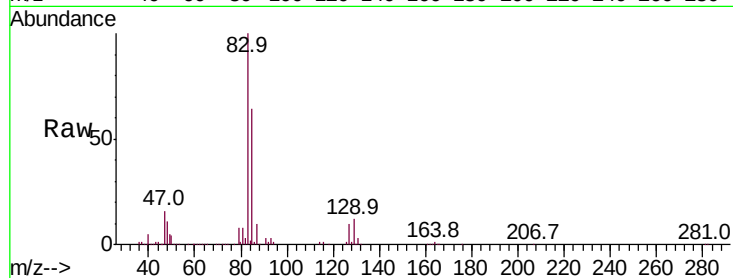
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	907739
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.8	79.2
127	9.5	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.033 ug/l

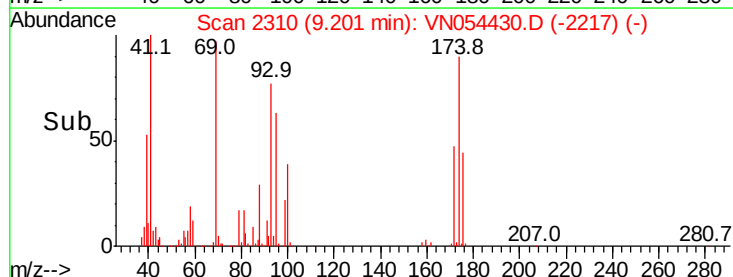
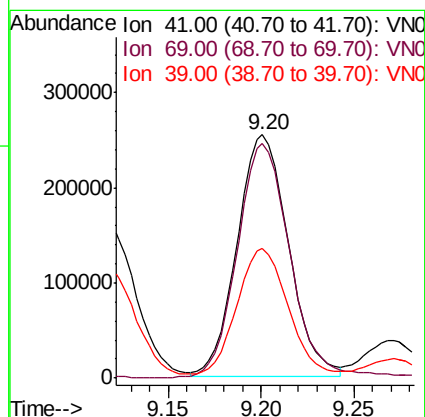
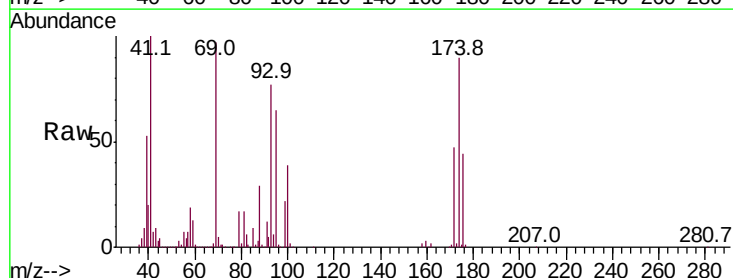
RT: 9.20 min Scan# 2310

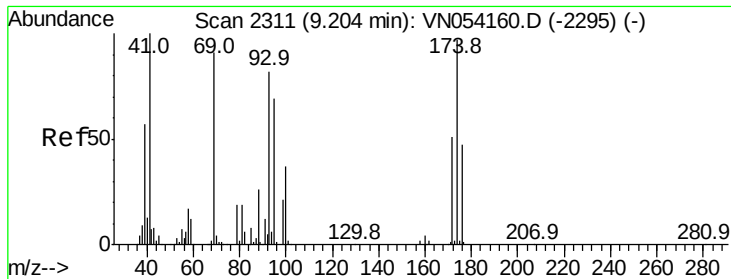
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:	41	Resp:	491264
Ion Ratio	Lower	Upper	
41	100		
69	100.2	72.6	108.8
39	54.2	47.5	71.3





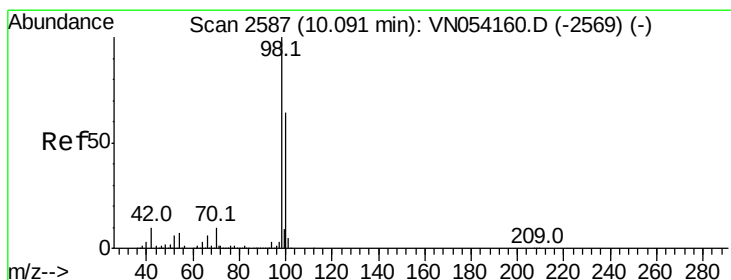
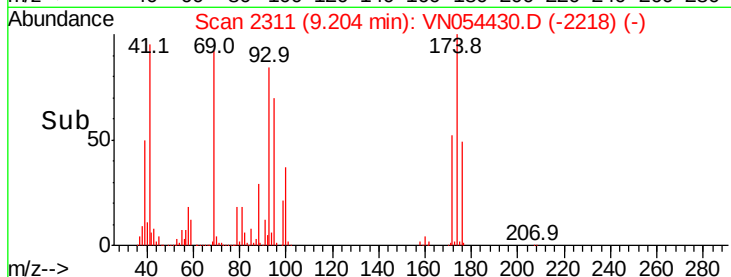
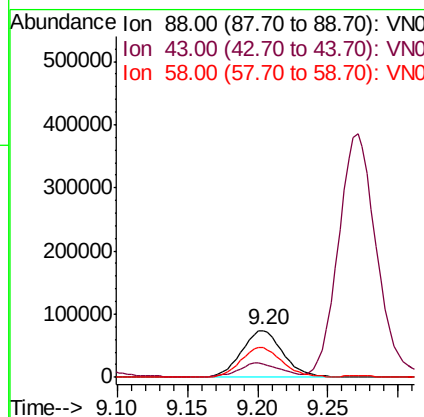
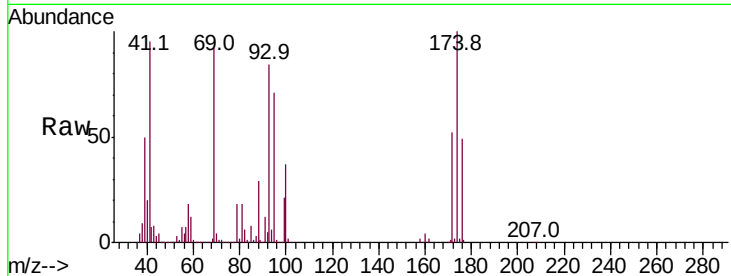
#49
1,4-Dioxane
Concen: 1126.386 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	153373
Ion	Ratio	Lower	Upper
88	100		
43	27.8	24.1	36.1
58	64.2	50.8	76.2

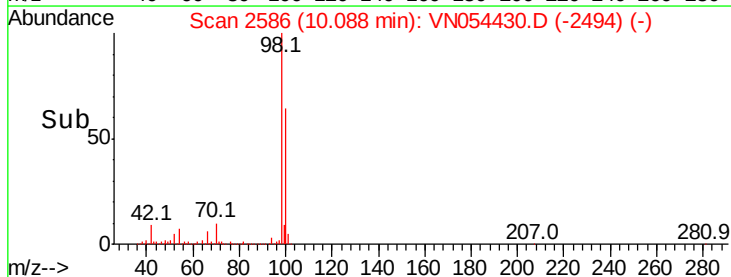
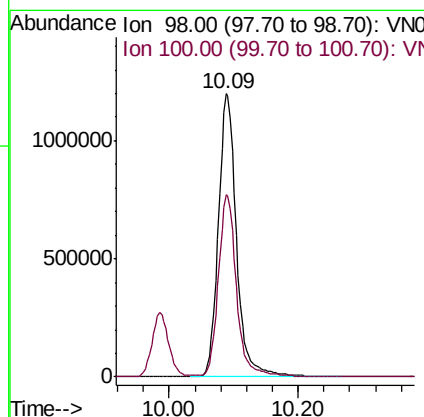
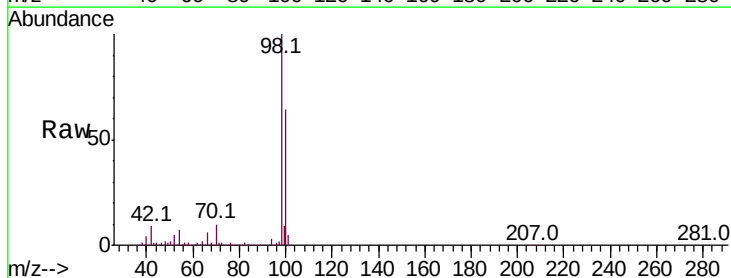
Manual Integrations
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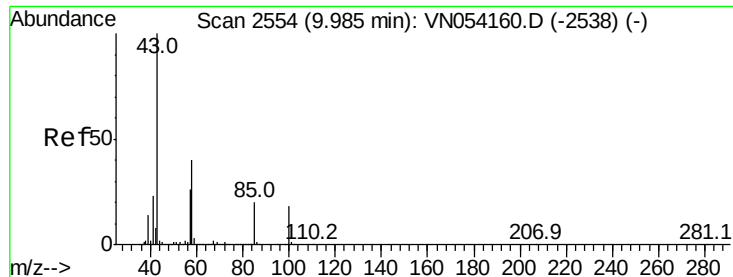
MMDadoda
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#50
Toluene-d8
Concen: 48.327 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	98	Resp	2350919
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 267.494 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2685220

Ion Ratio Lower Upper

43 100

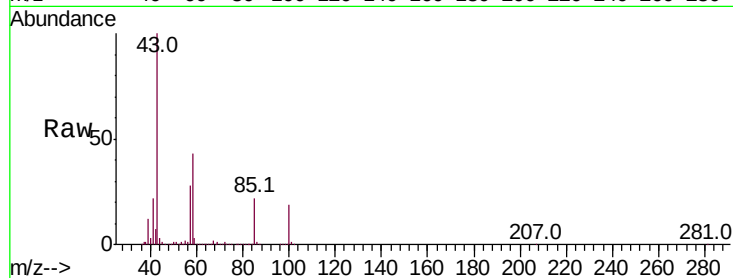
58 42.9 31.8 47.6

Manual Integrations

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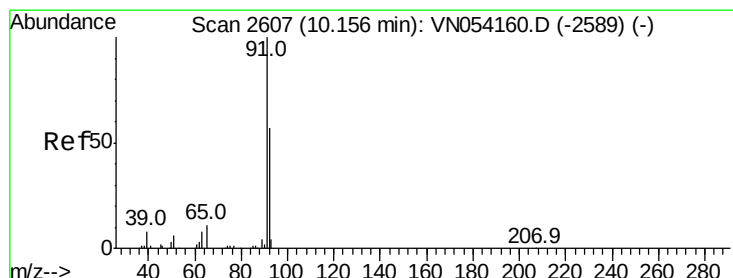
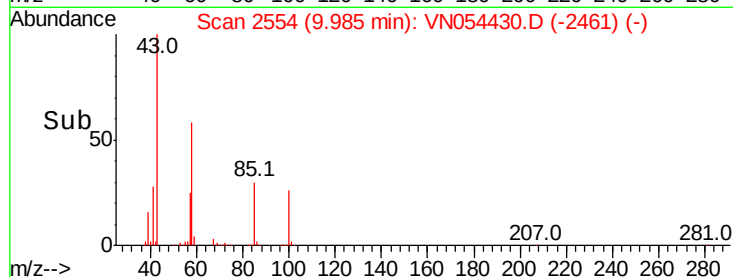
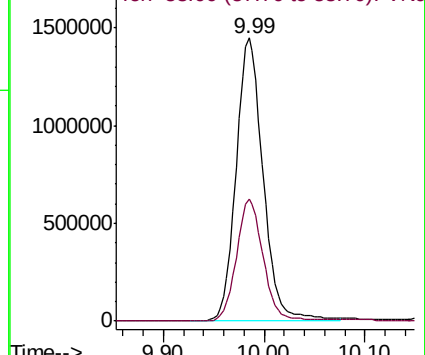
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.106 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054430.D

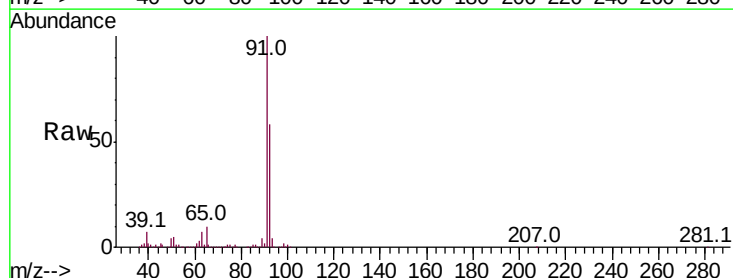
Acq: 19 Mar 2019 10:17

Tgt Ion: 92 Resp: 1778165

Ion Ratio Lower Upper

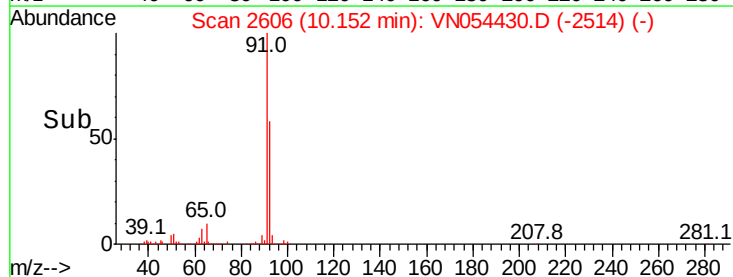
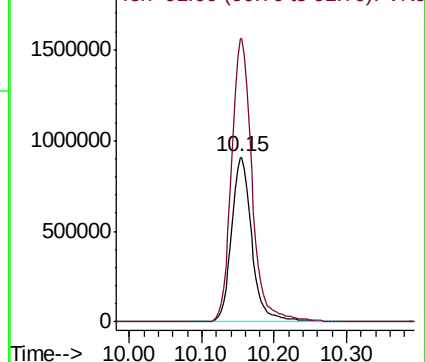
92 100

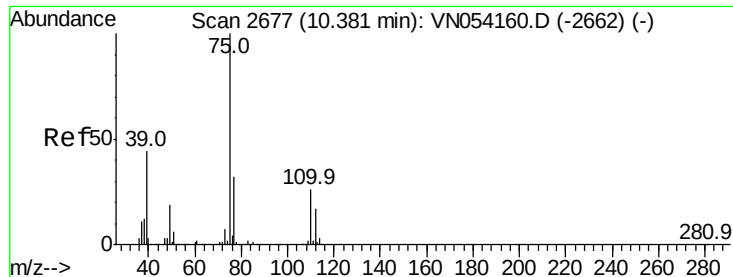
91 174.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





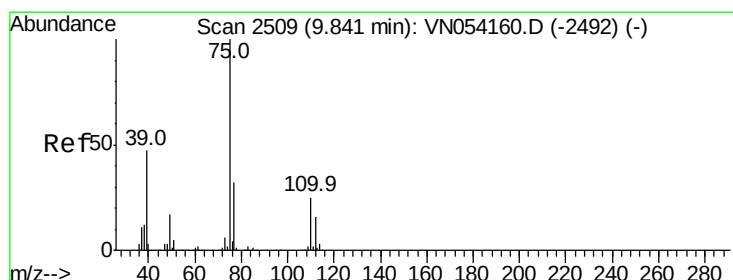
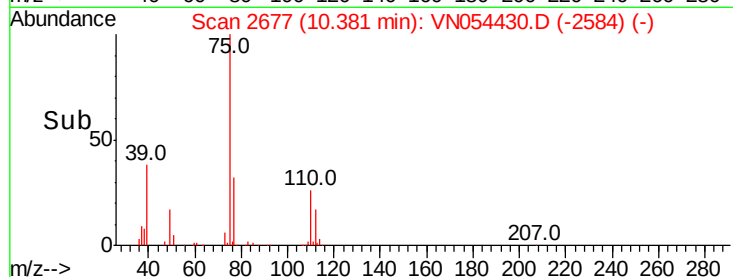
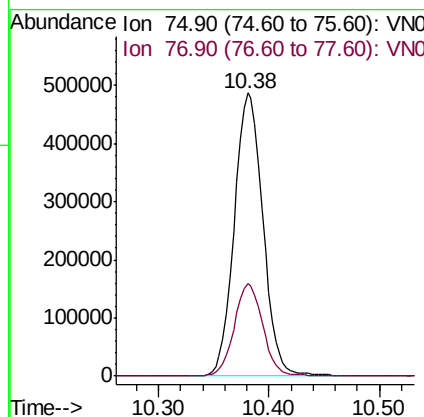
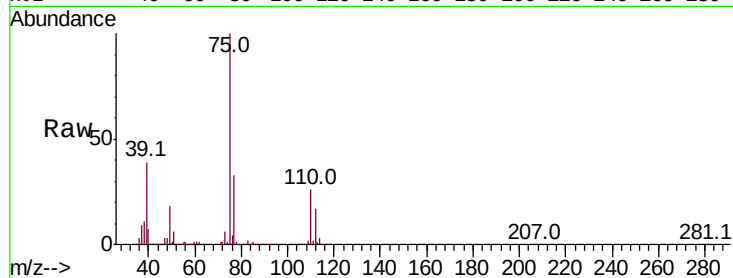
#53
t-1,3-Dichloropropene
Concen: 42.708 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.8

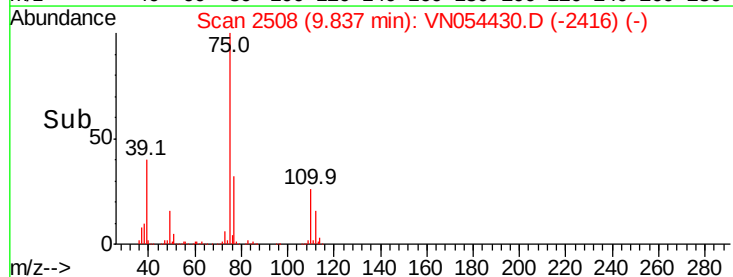
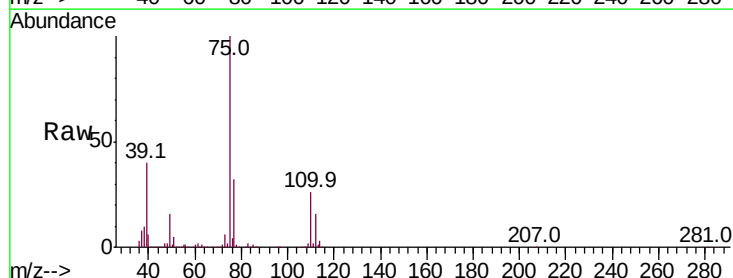
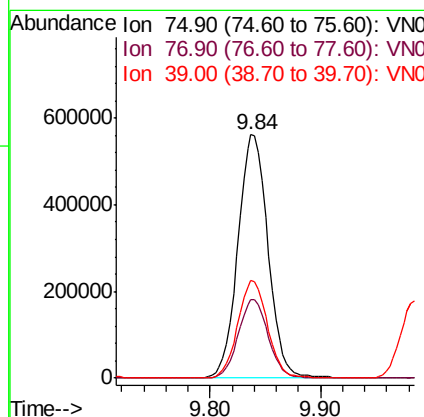
Manual Integrations
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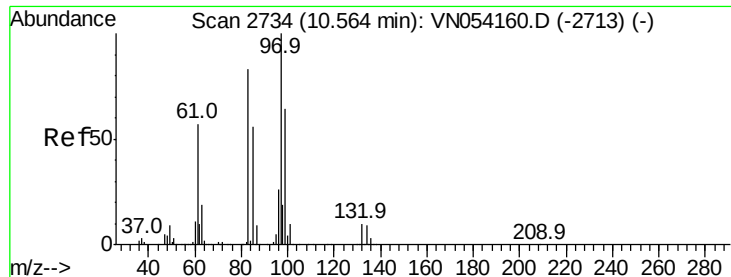
MMDadoda
3/20/2019 12:21:23 PM



#54
cis-1,3-Dichloropropene
Concen: 50.264 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	39.9	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 53.177 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

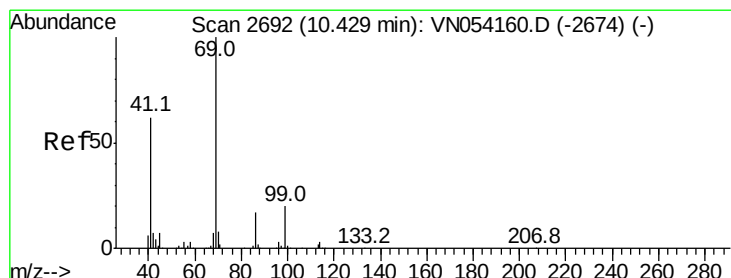
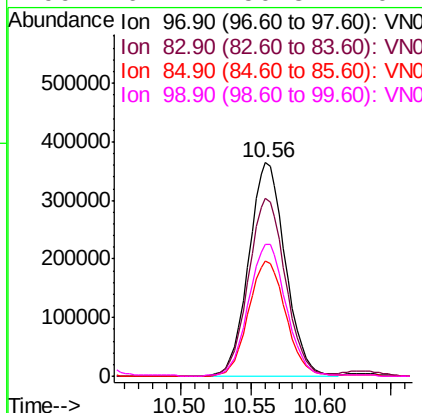
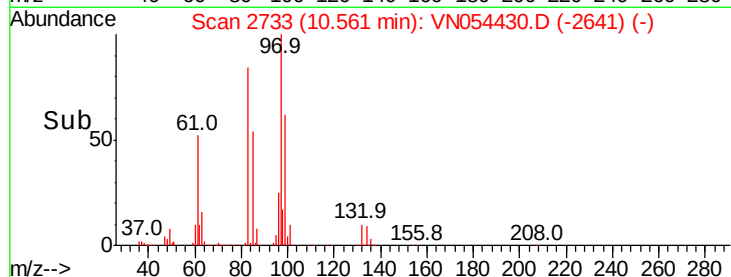
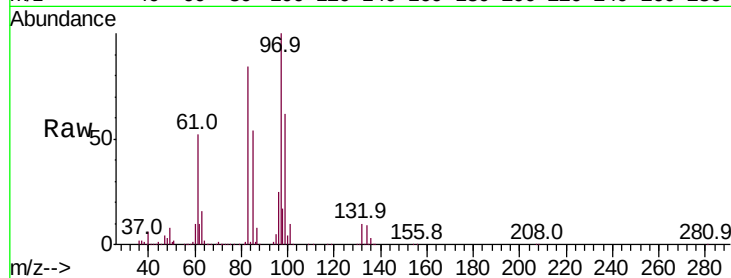
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	662621
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.6	100.0
85	53.7	44.4	66.6
99	61.4	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 54.859 ug/l

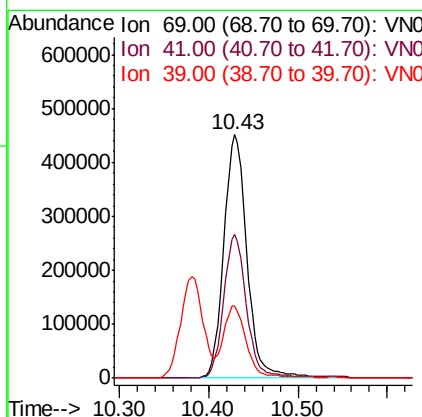
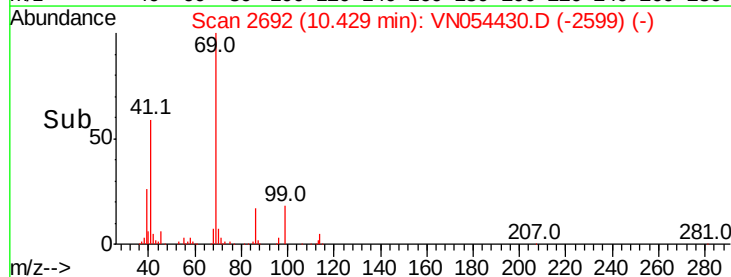
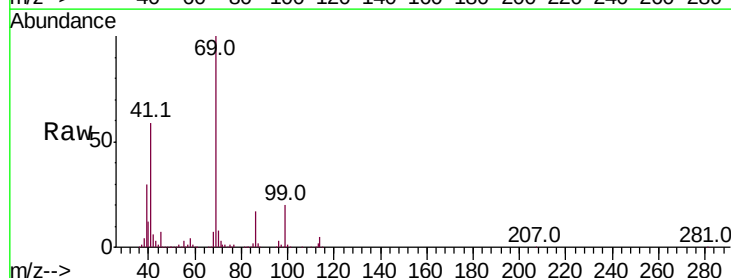
RT: 10.43 min Scan# 2692

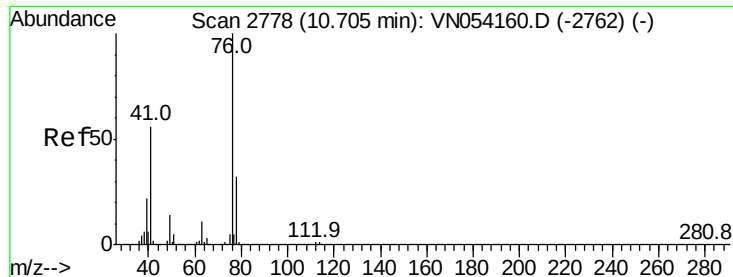
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:	69	Resp:	815078
Ion	Ratio	Lower	Upper
69	100		
41	56.7	49.4	74.2
39	28.3	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 53.050 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1080886

Ion Ratio Lower Upper

76 100

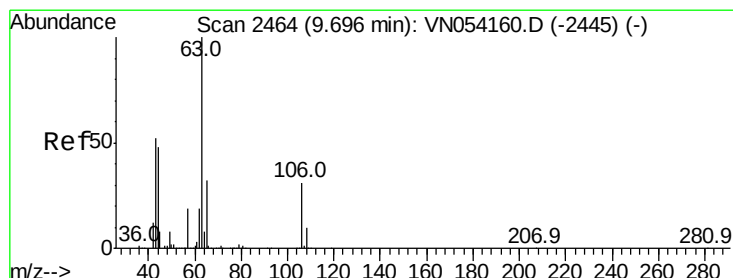
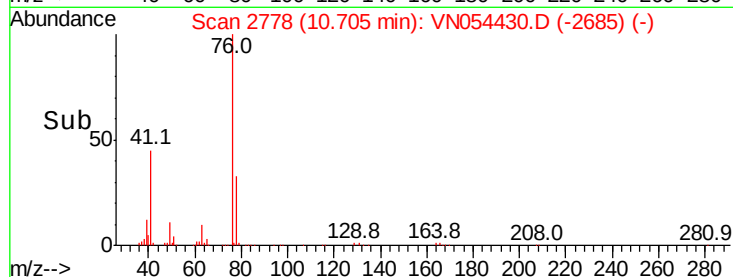
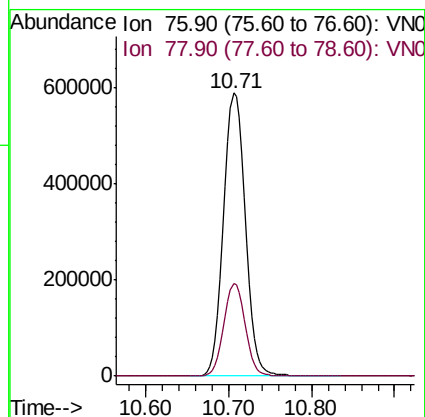
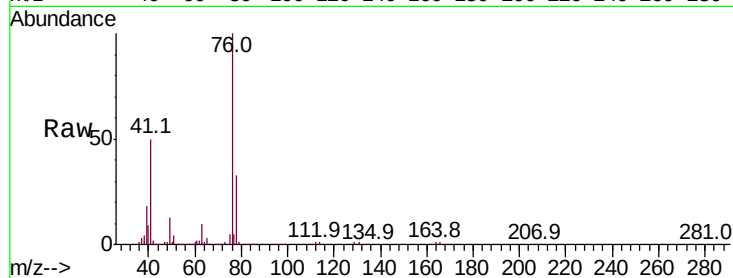
78 32.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 244.914 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054430.D

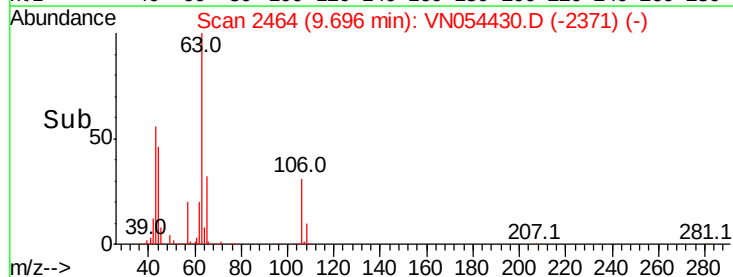
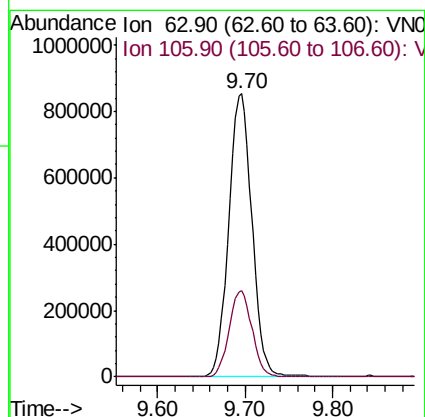
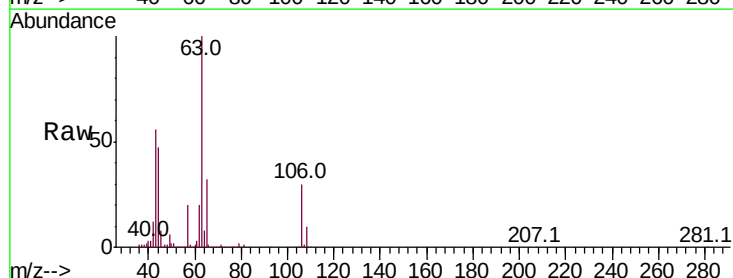
Acq: 19 Mar 2019 10:17

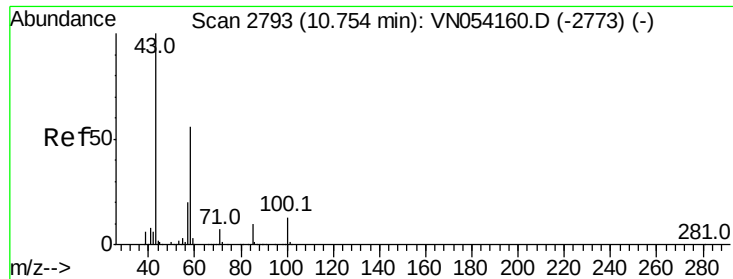
Tgt Ion: 63 Resp: 1576327

Ion Ratio Lower Upper

63 100

106 30.0 24.4 36.6





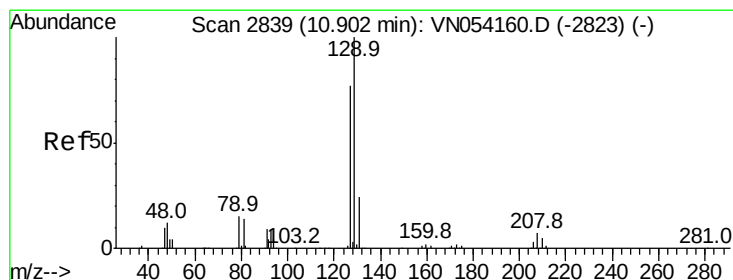
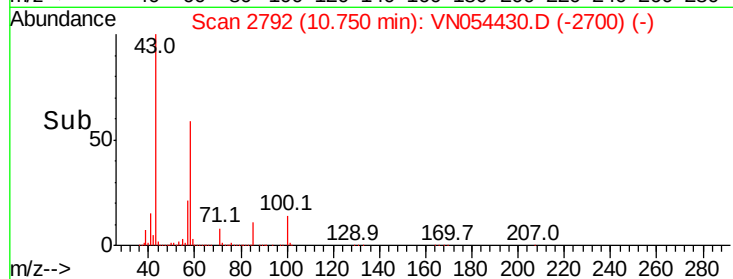
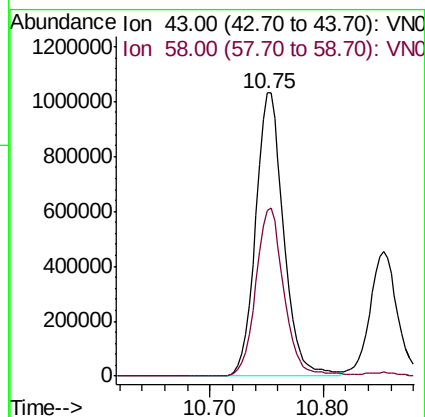
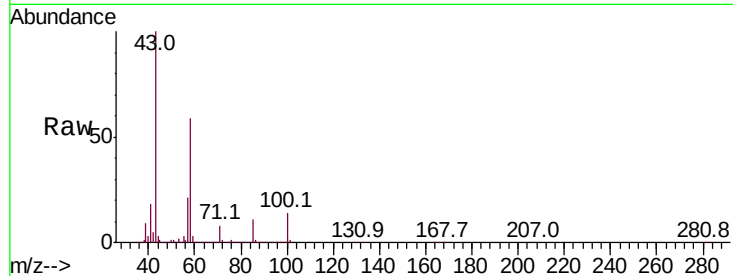
#59
2-Hexanone
Concen: 264.514 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1766829
Ion Ratio Lower Upper
43 100
58 59.8 28.0 83.9

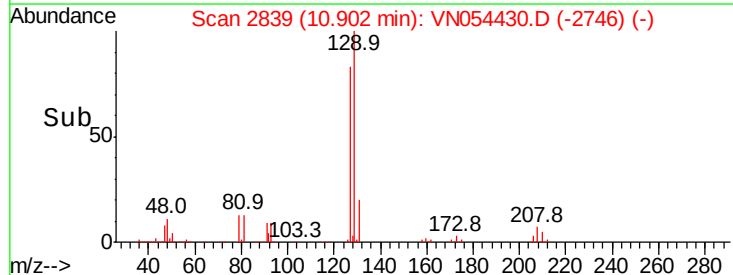
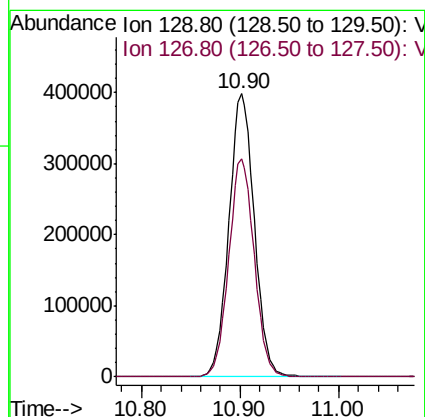
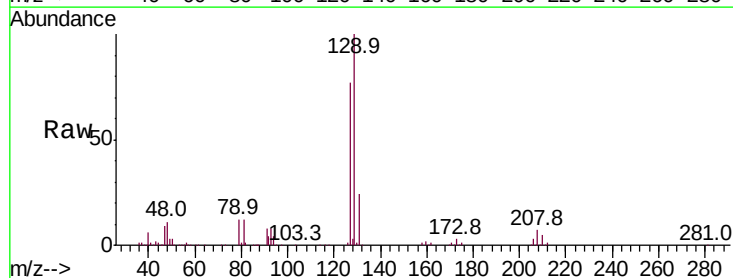
Manual Integrations
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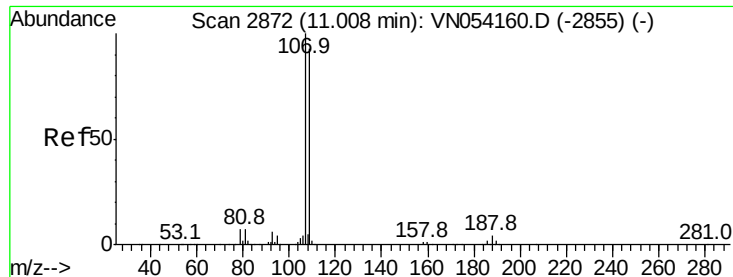
MMDadoda
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#60
Dibromochloromethane
Concen: 51.285 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion: 129 Resp: 719280
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





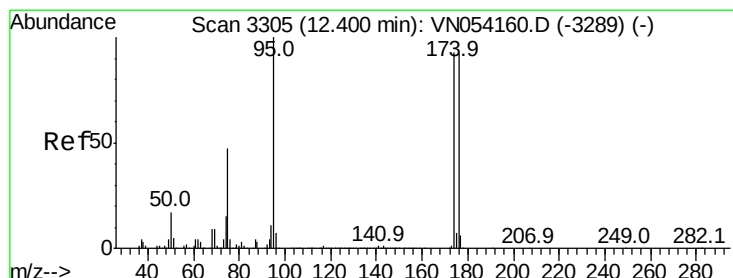
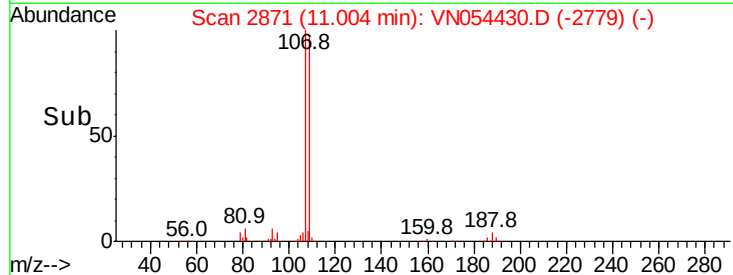
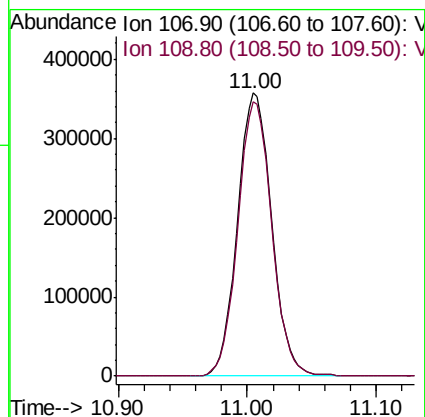
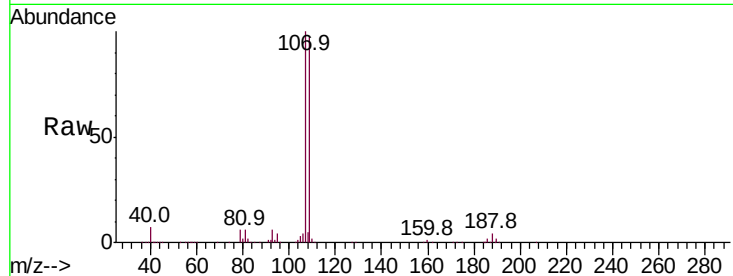
#61
 1,2-Dibromoethane
 Concen: 51.957 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.9	113.9

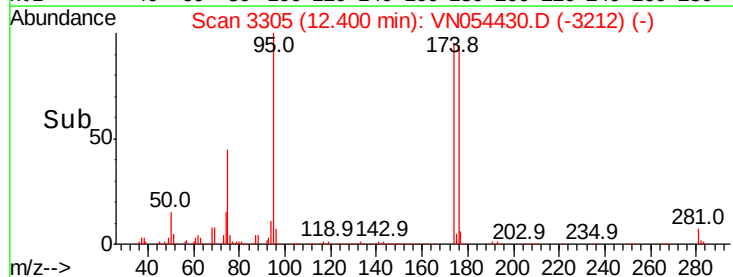
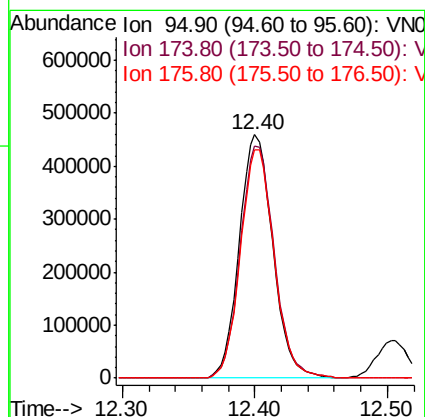
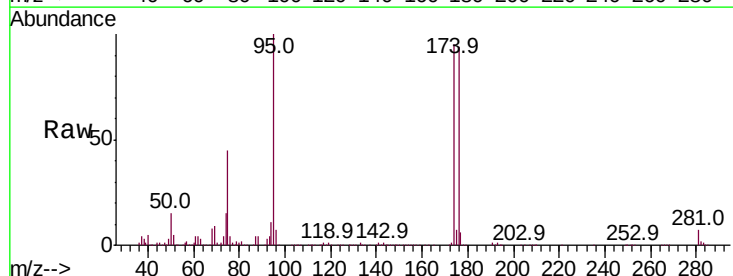
Manual Integrations
 APPROVED

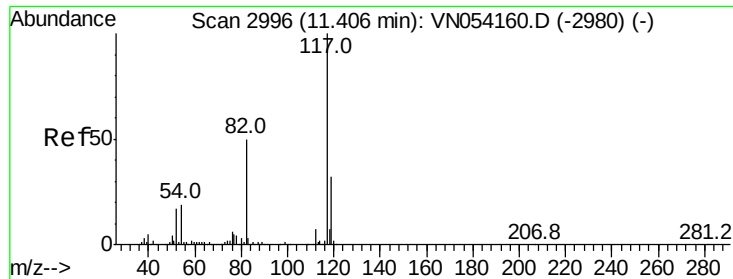
MMDadoda
 3/20/2019 12:21:23 PM



#62
 4-Bromofluorobenzene
 Concen: 47.557 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	191.0
176	94.2	0.0	187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1770591

Ion Ratio Lower Upper

117 100

82 50.7 40.0 60.0

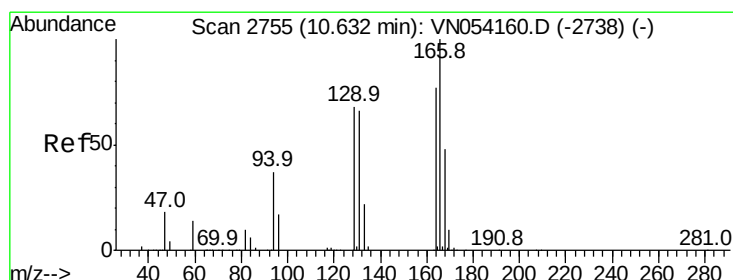
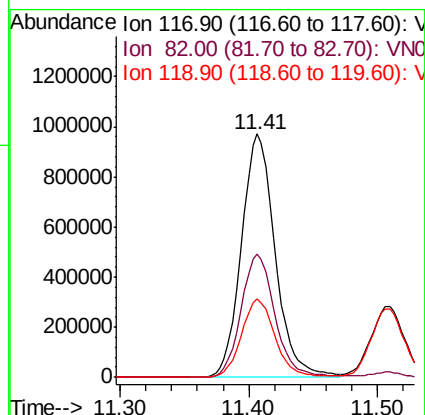
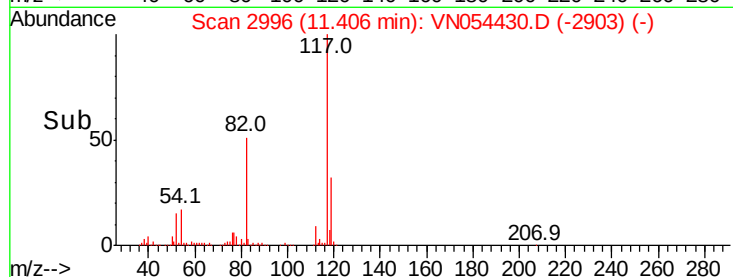
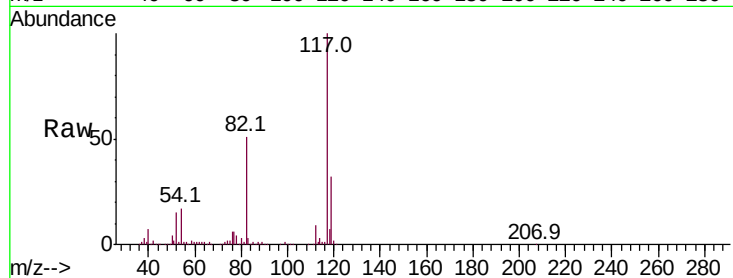
119 32.0 25.8 38.6

Manual Integrations

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#64

Tetrachloroethene

Concen: 50.062 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:164 Resp: 857010

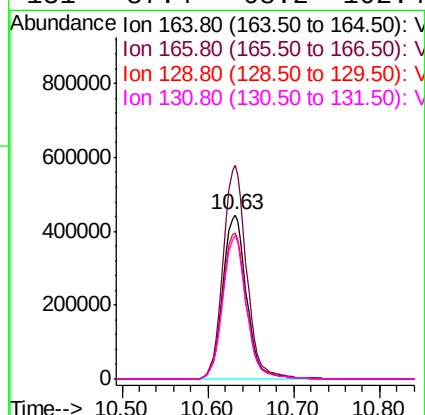
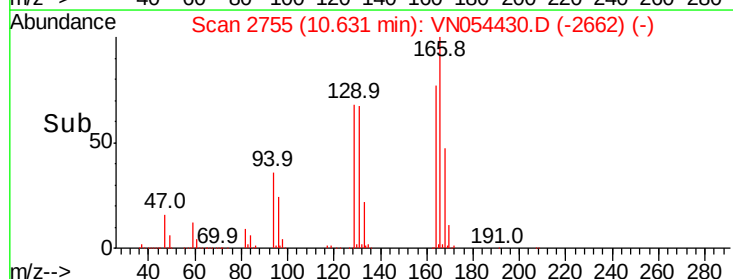
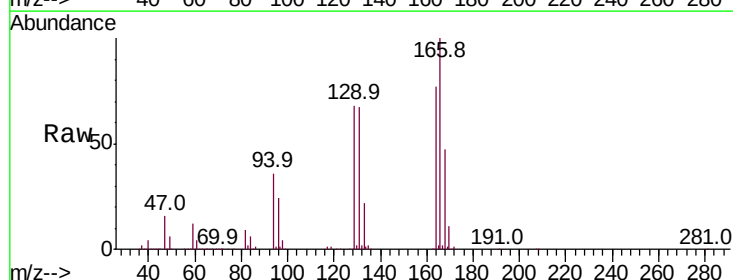
Ion Ratio Lower Upper

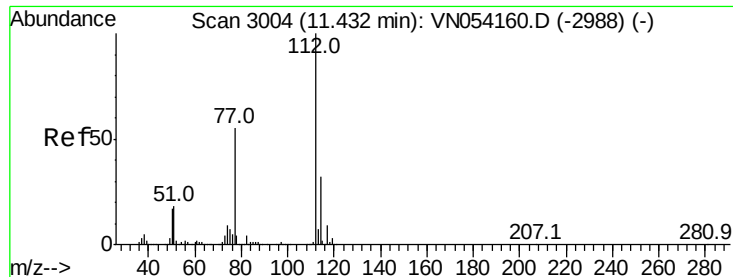
164 100

166 129.9 103.9 155.9

129 88.7 71.1 106.7

131 87.4 68.2 102.4





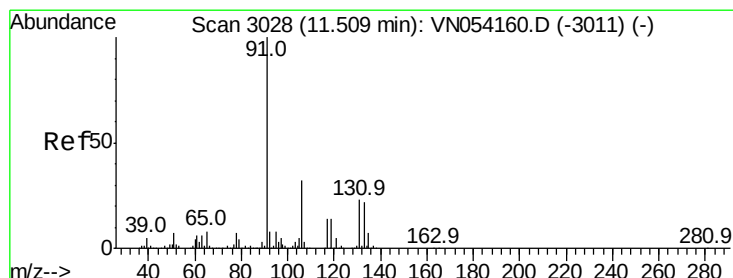
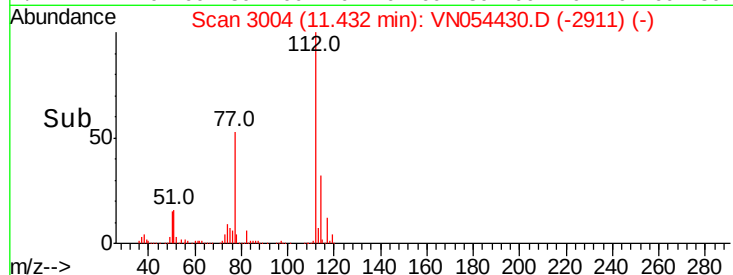
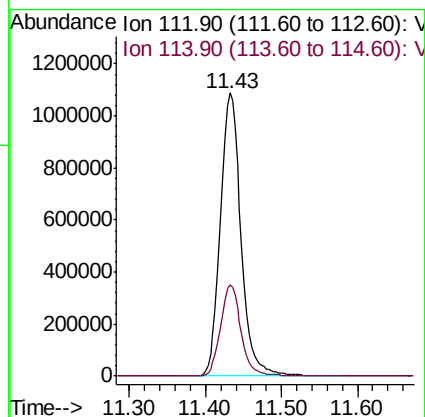
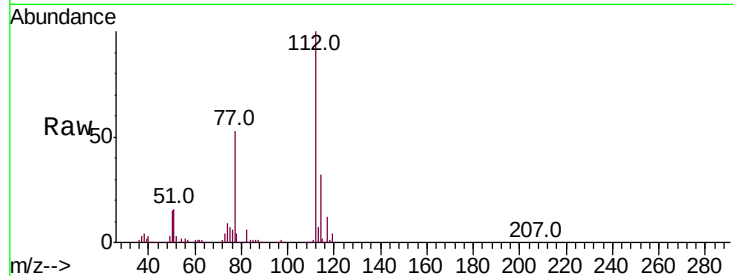
#65
Chlorobenzene
Concen: 52.583 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2044295
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

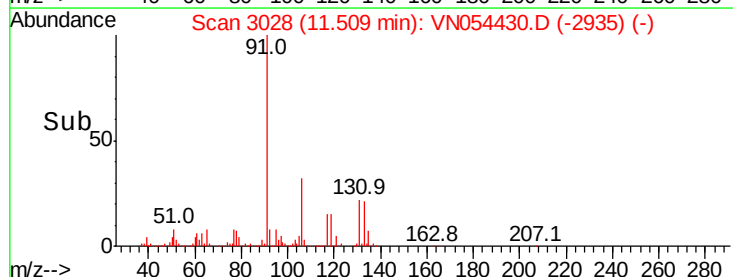
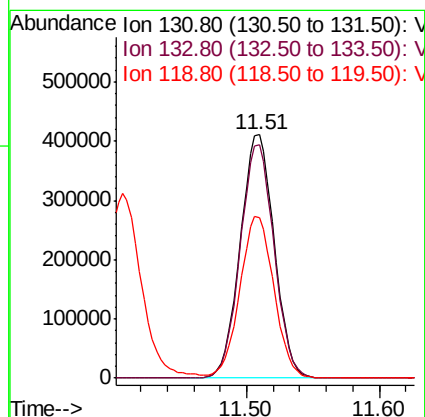
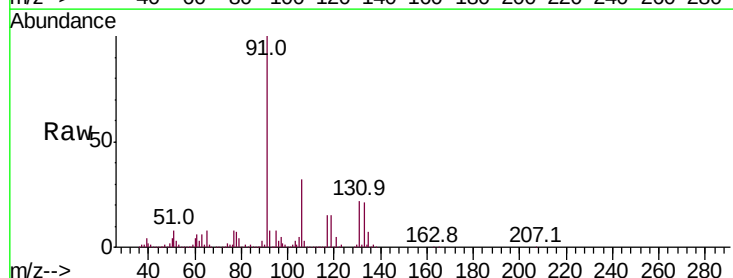
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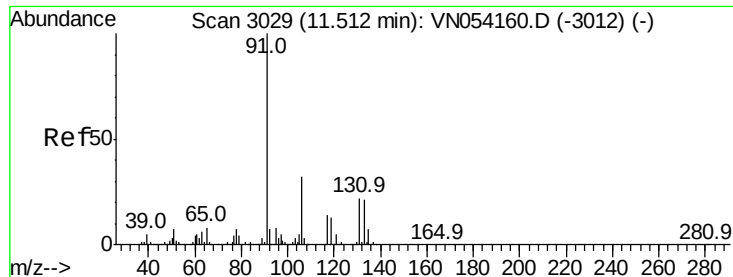
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.699 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion:131 Resp: 730150
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.7 32.4 97.0





#67

Ethyl Benzene

Concen: 51.915 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 3345725

Ion Ratio Lower Upper

91 100

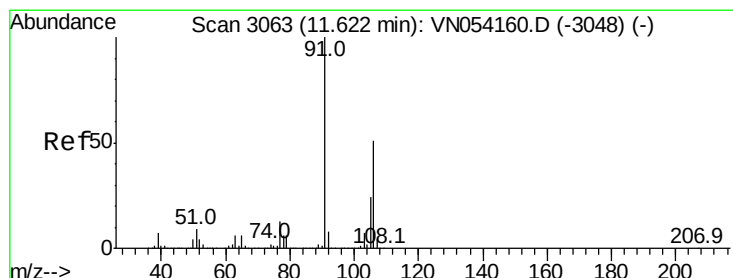
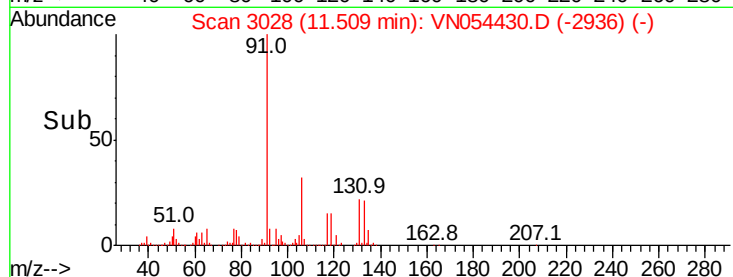
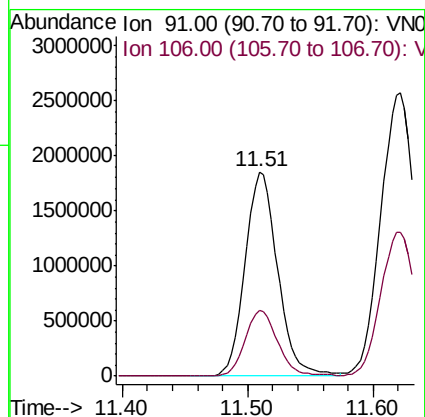
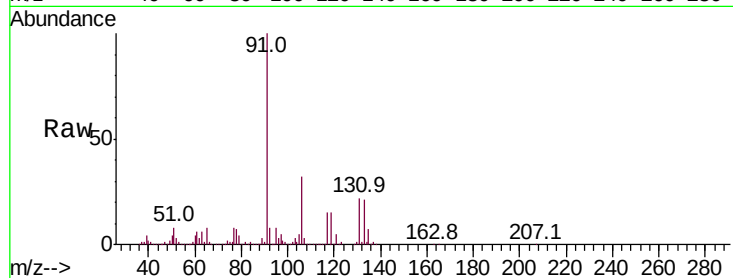
106 32.3 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.043 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054430.D

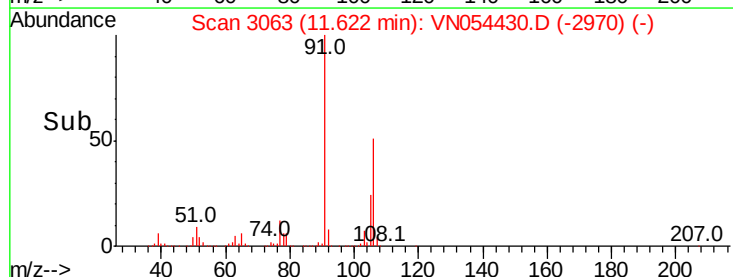
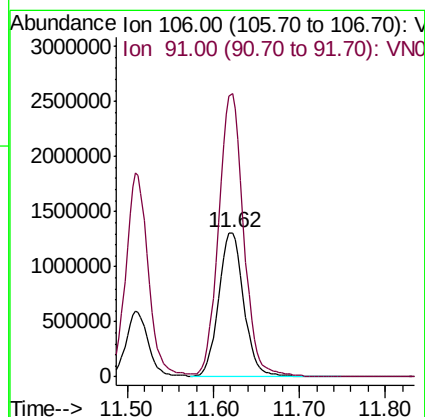
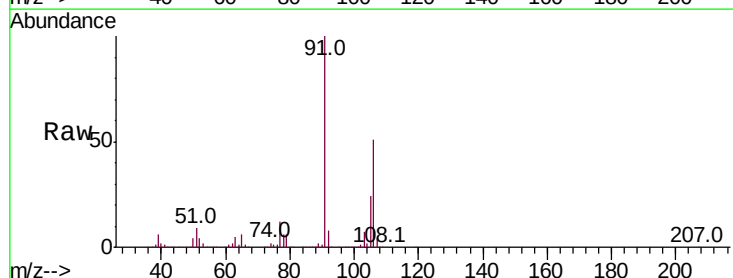
Acq: 19 Mar 2019 10:17

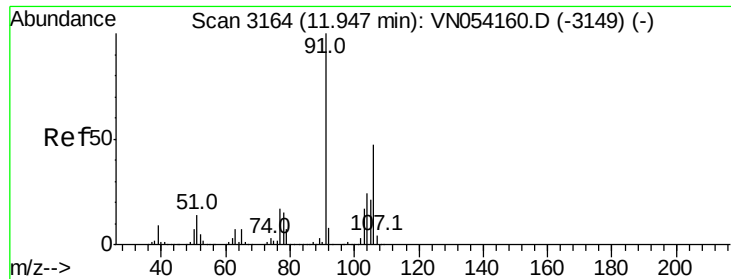
Tgt Ion: 106 Resp: 2671067

Ion Ratio Lower Upper

106 100

91 195.3 159.4 239.2





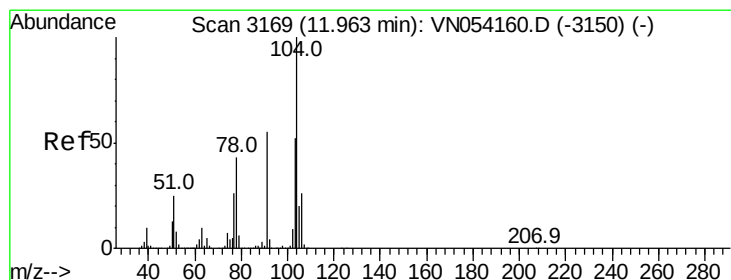
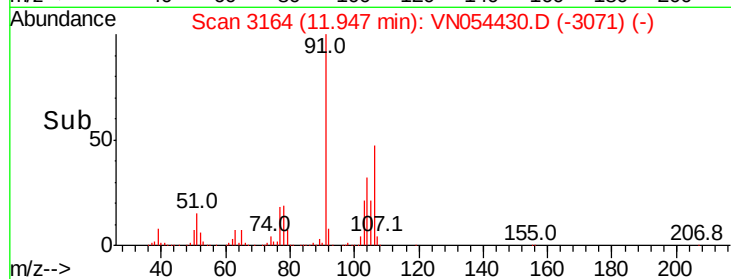
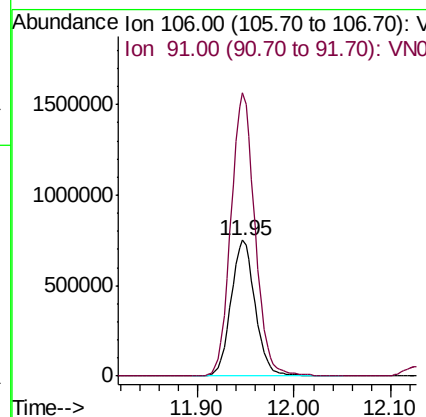
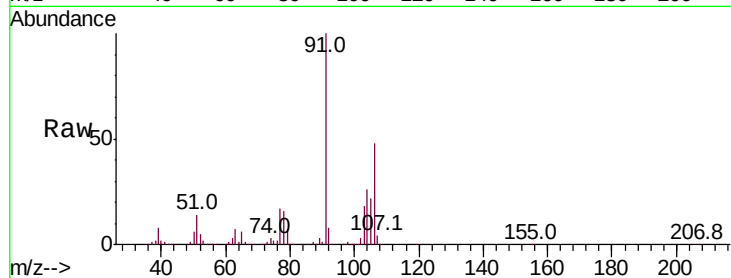
#69
o-Xylene
Concen: 53.049 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1302584
Ion Ratio Lower Upper
106 100
91 207.3 105.7 317.1

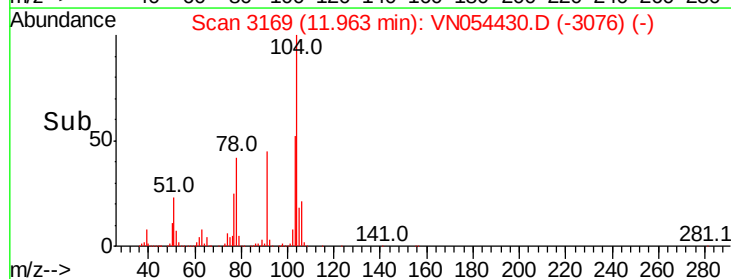
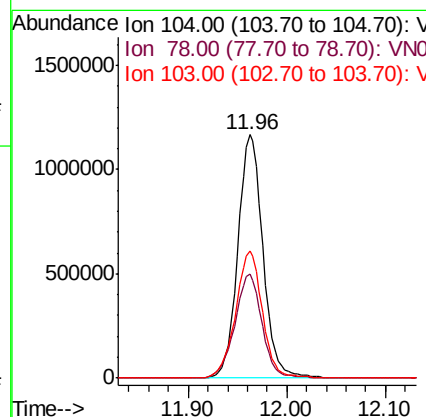
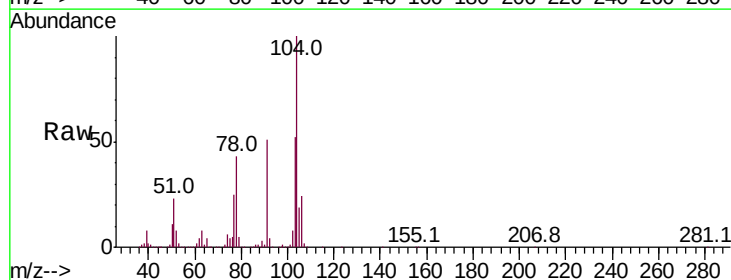
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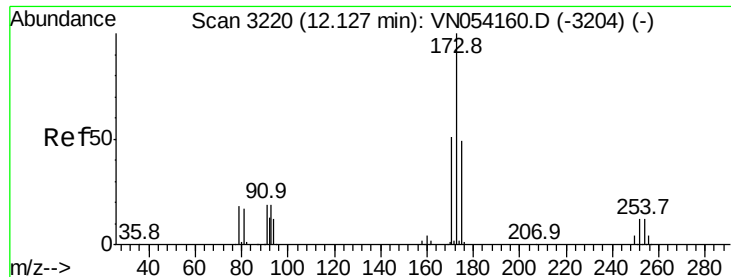
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#70
Styrene
Concen: 53.508 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion:104 Resp: 2060573
Ion Ratio Lower Upper
104 100
78 46.6 38.2 57.2
103 56.1 44.4 66.6





#71

Bromoform

Concen: 44.335 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 474295

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.2

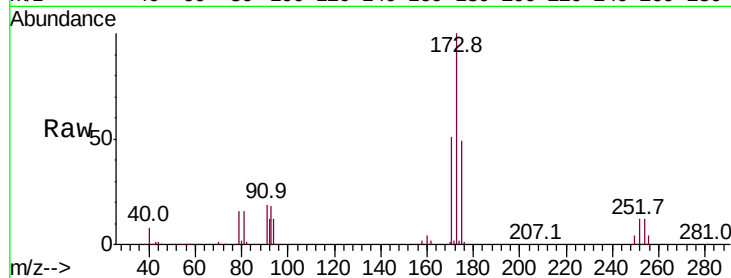
254 0.1 0.1 0.1

Manual Integrations

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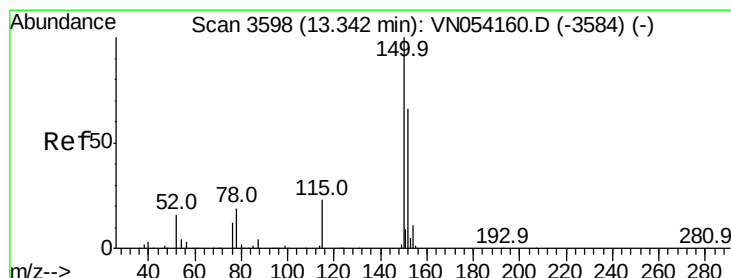
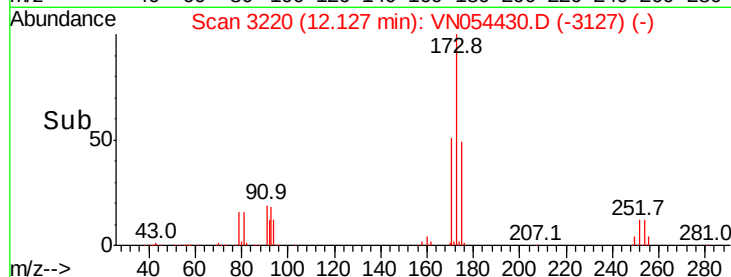
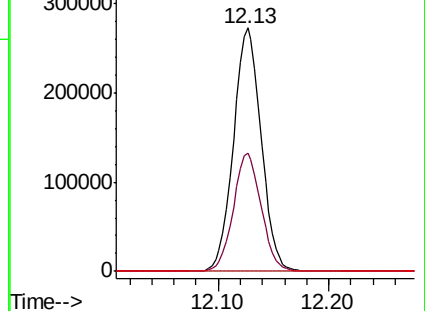
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

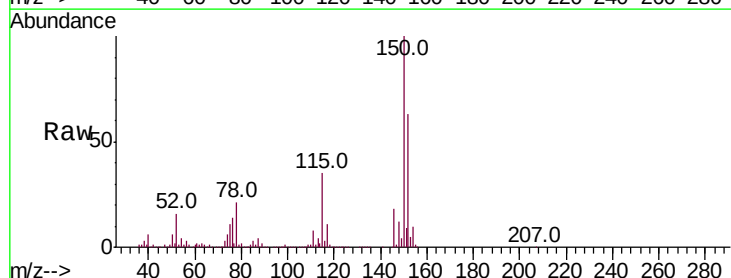
Tgt Ion:152 Resp: 836233

Ion Ratio Lower Upper

152 100

115 55.1 27.2 81.6

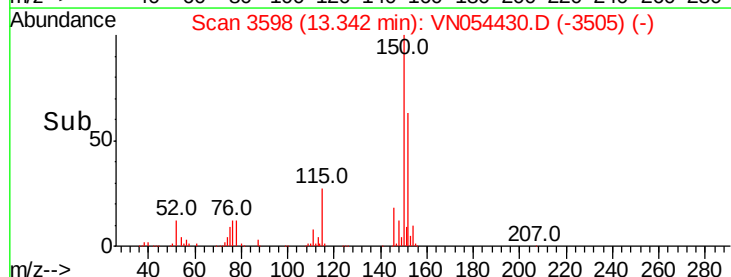
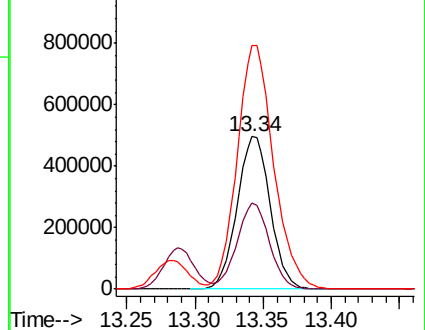
150 176.0 0.0 349.2

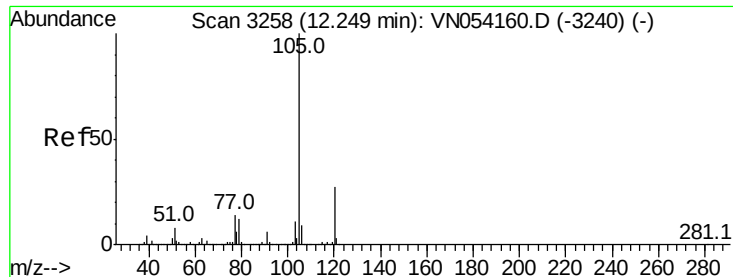


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.095 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3418456

Ion Ratio Lower Upper

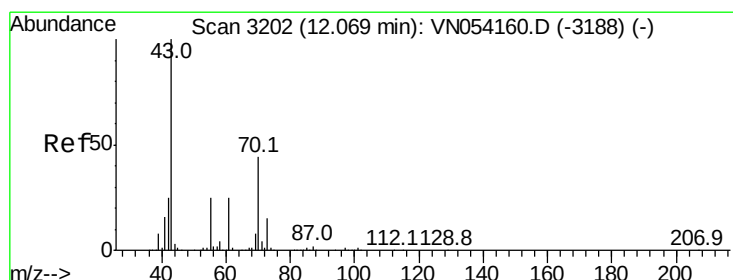
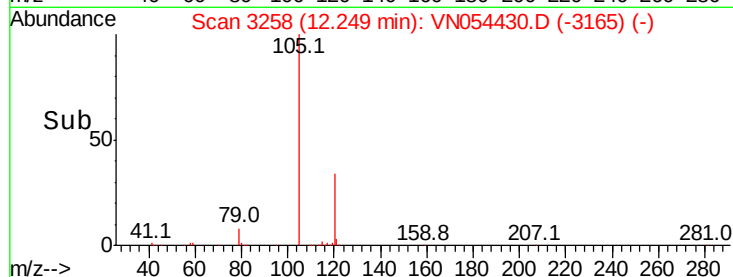
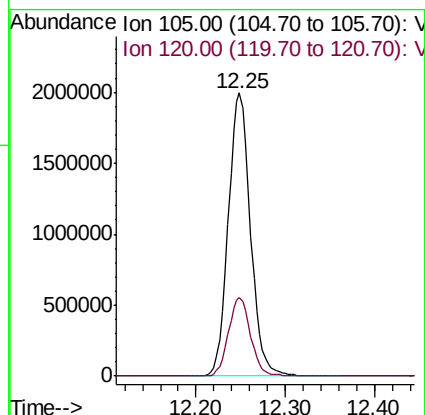
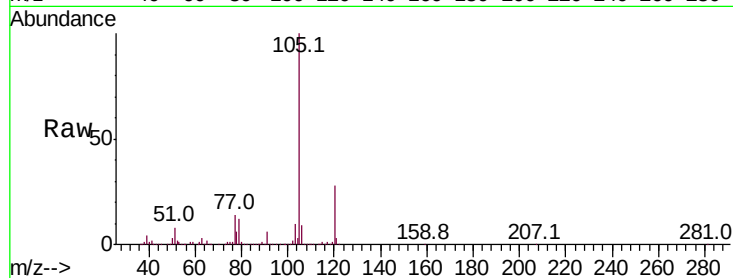
105 100

120 27.8 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 52.271 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion: 43 Resp: 776254

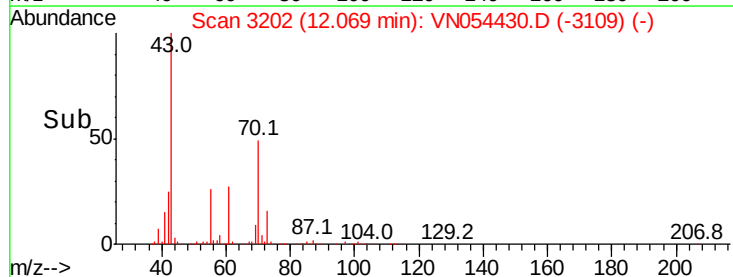
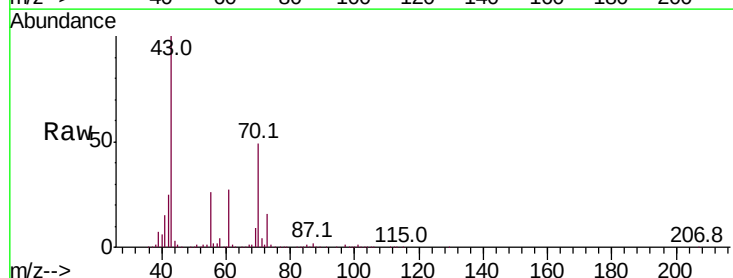
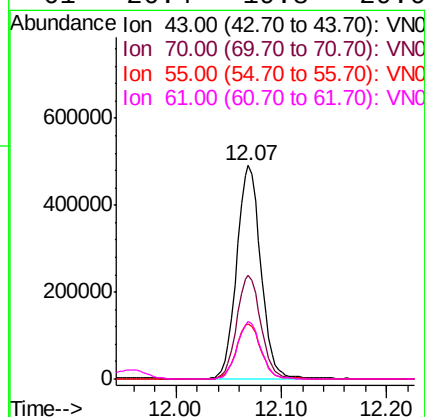
Ion Ratio Lower Upper

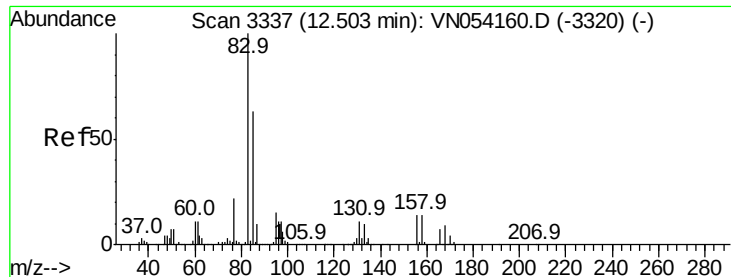
43 100

70 48.7 35.4 53.0

55 26.6 19.8 29.6

61 26.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.914 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 768508

Ion Ratio Lower Upper

83 100

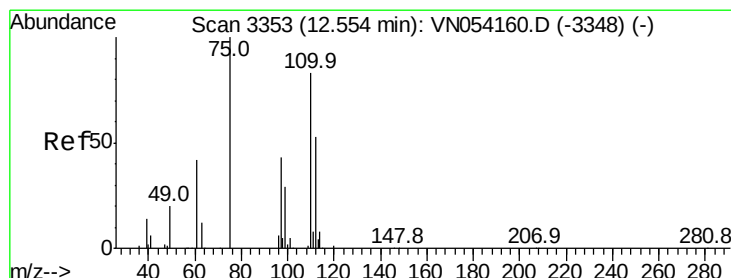
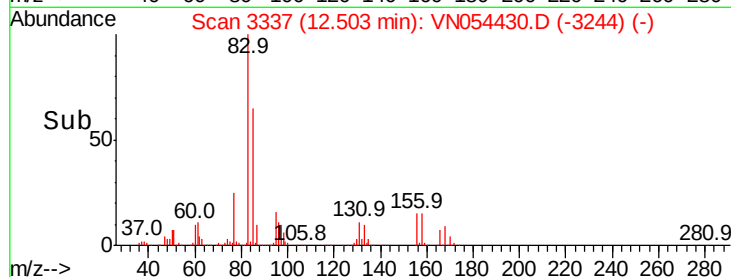
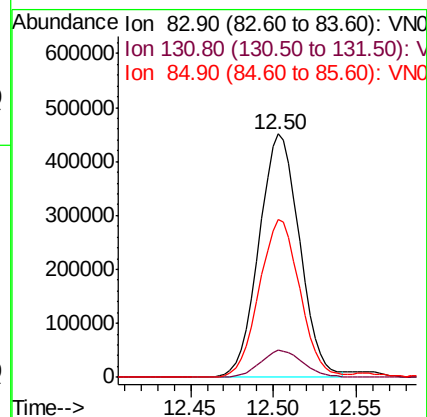
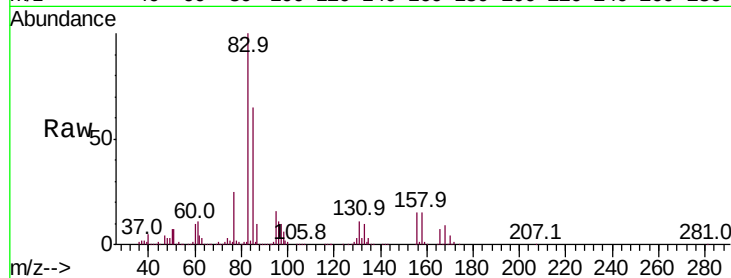
131 11.6 5.8 17.4

85 64.9 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.648 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054430.D

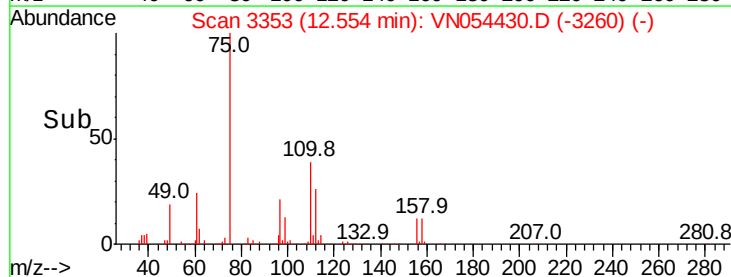
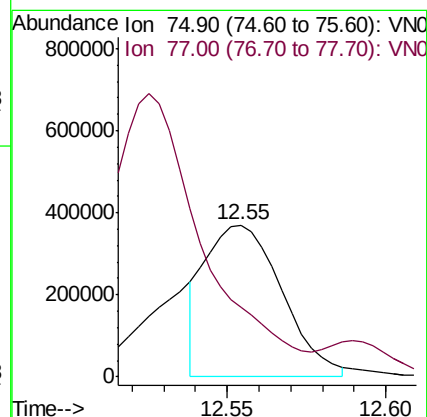
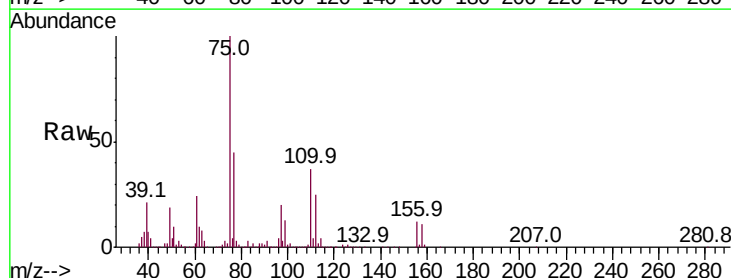
Acq: 19 Mar 2019 10:17

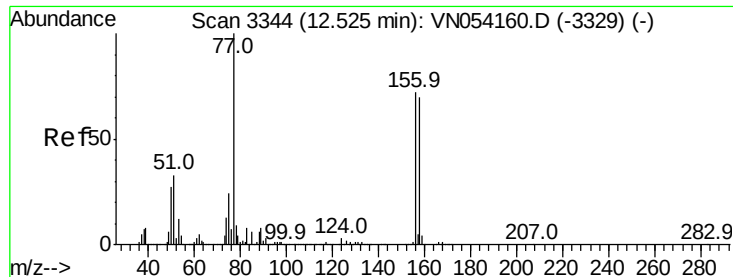
Tgt Ion: 75 Resp: 622830

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.273 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

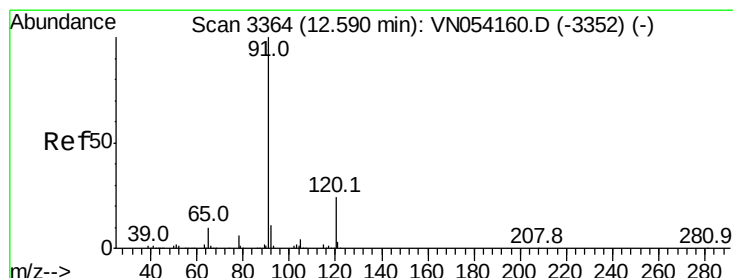
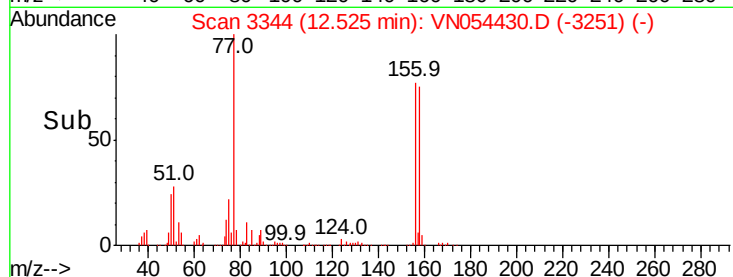
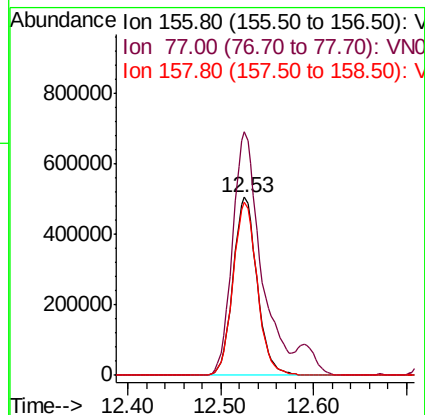
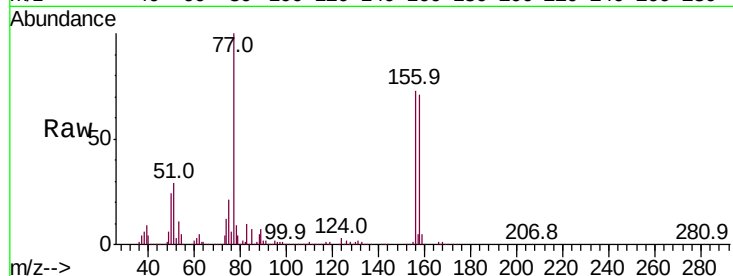
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	907730
Ion Ratio	Lower	Upper	
156	100		
77	160.6	81.5	244.4
158	97.4	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 51.739 ug/l

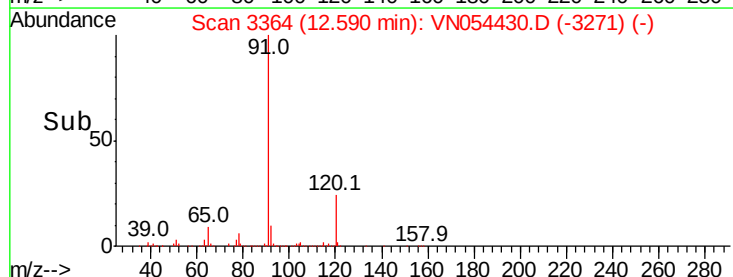
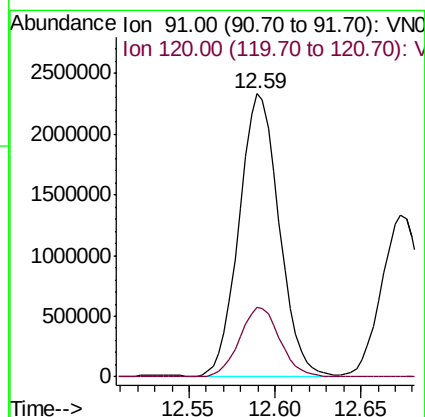
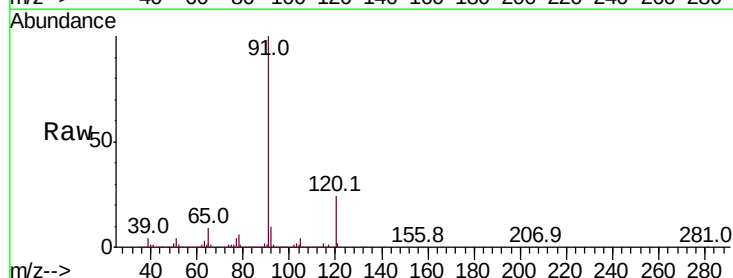
RT: 12.59 min Scan# 3364

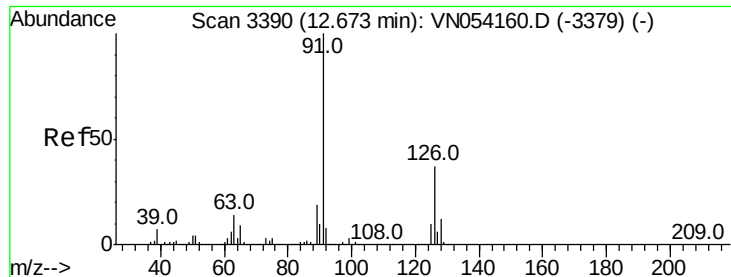
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:	91	Resp:	3755998
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 50.976 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2225068

Ion Ratio Lower Upper

91 100

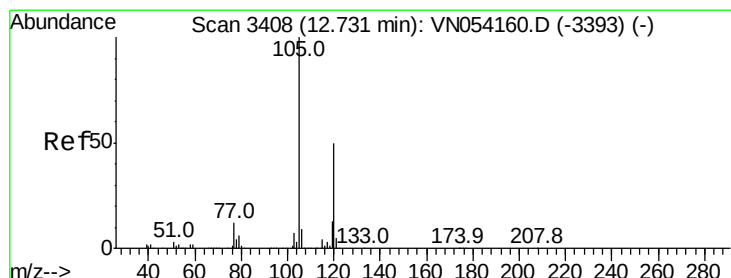
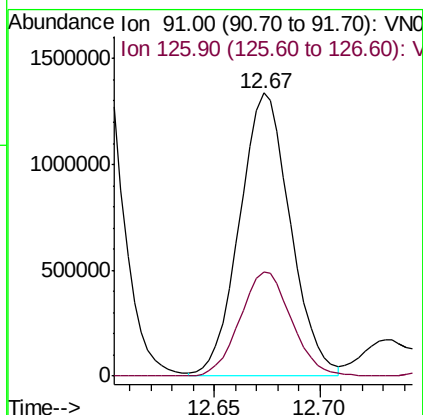
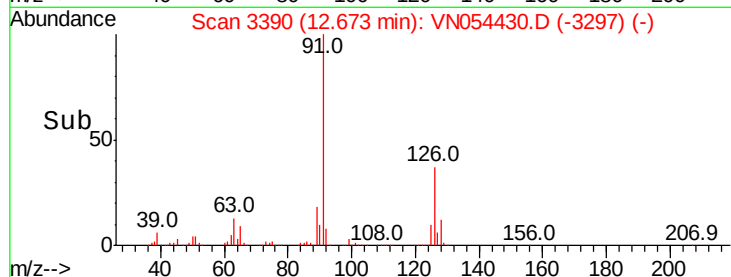
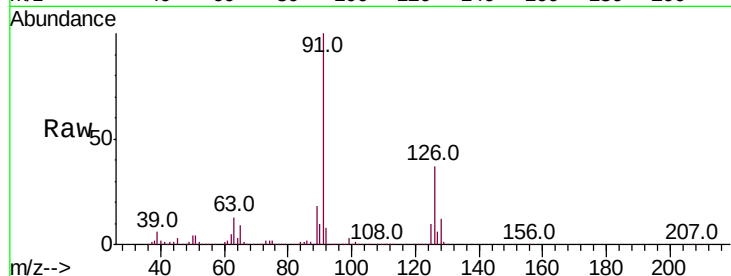
126 37.6 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.474 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054430.D

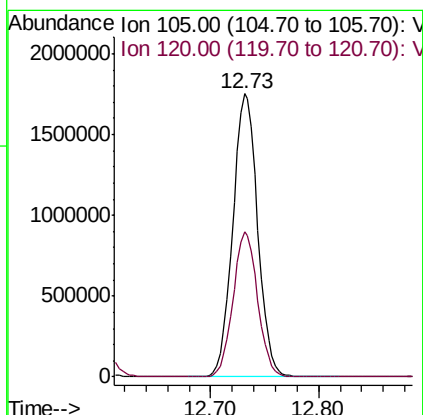
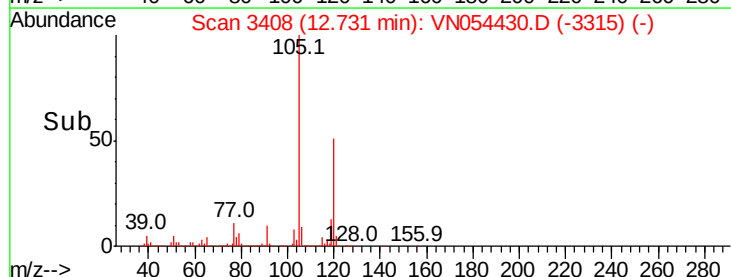
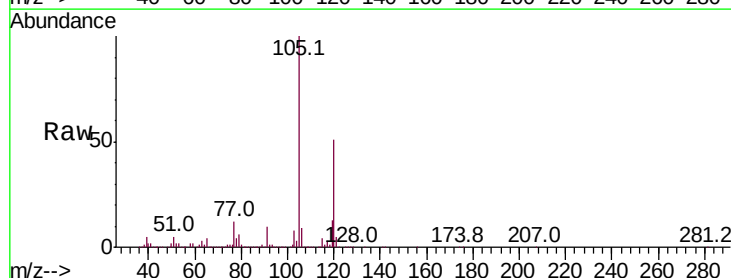
Acq: 19 Mar 2019 10:17

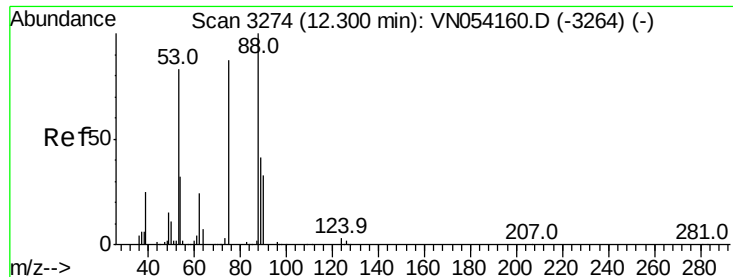
Tgt Ion:105 Resp: 2808852

Ion Ratio Lower Upper

105 100

120 50.8 25.0 75.0





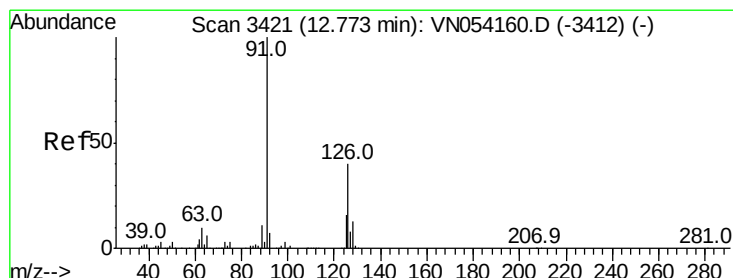
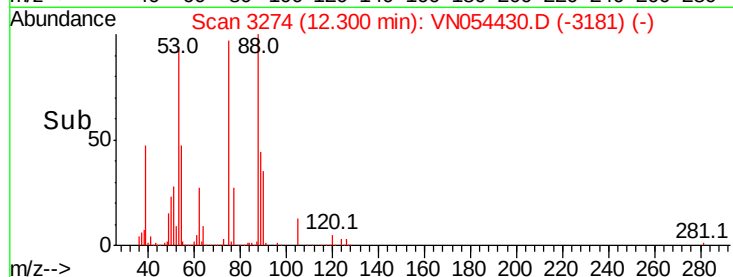
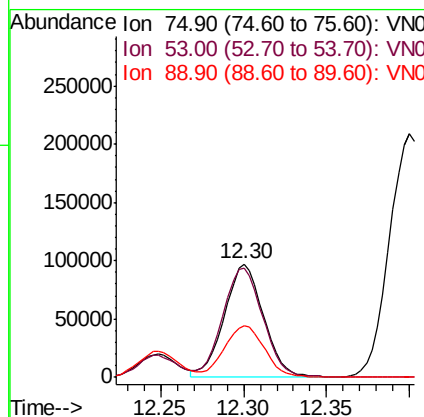
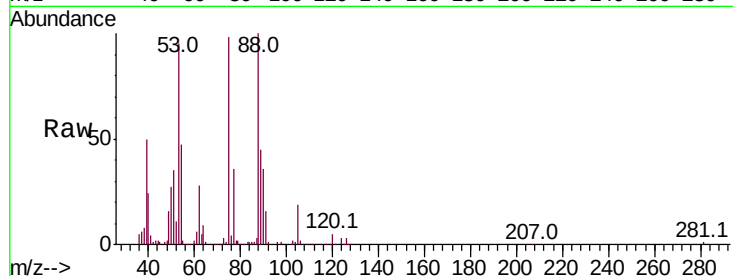
#81
trans-1,4-Dichloro-2-butene
Concen: 43.768 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	76.2	114.2
89	47.5	39.2	58.8

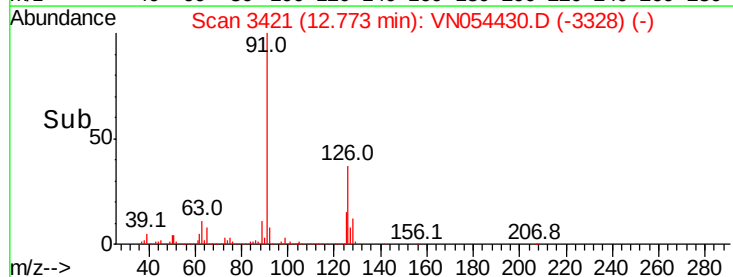
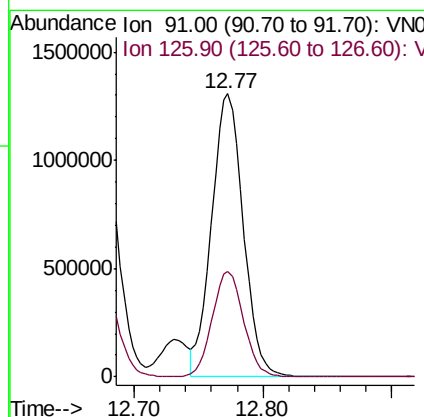
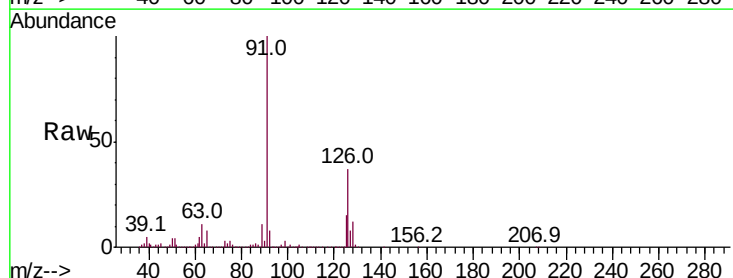
Manual Integrations
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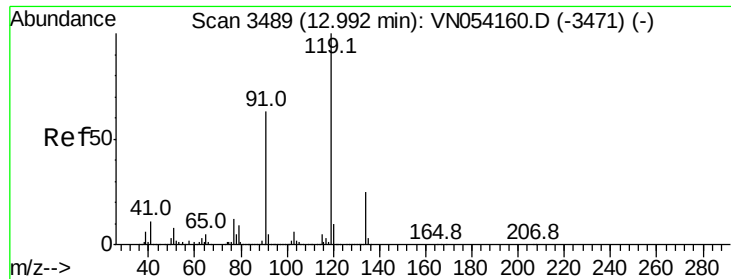
MMDadoda
3/20/2019 12:21:23 PM



#82
4-Chlorotoluene
Concen: 51.003 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.1	54.1





#83

tert-Butylbenzene

Concen: 50.054 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

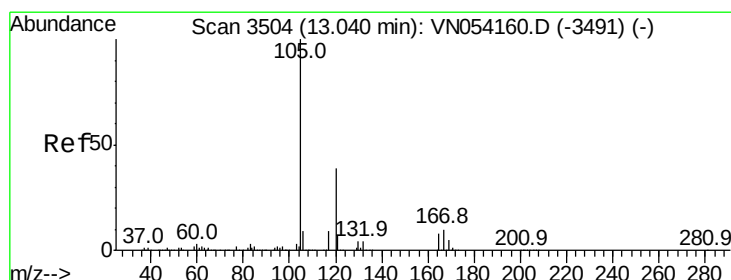
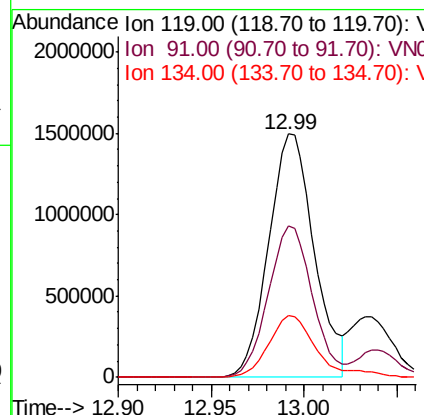
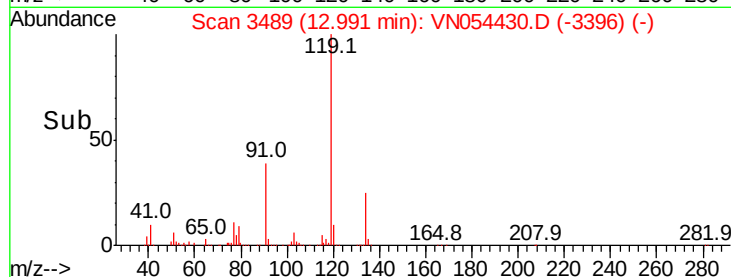
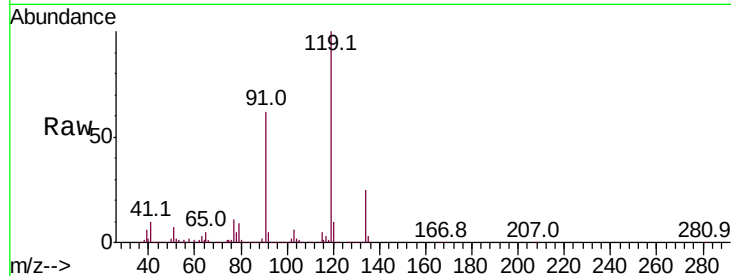
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2563888

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.9	92.8
134	26.8	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.123 ug/l

RT: 13.04 min Scan# 3504

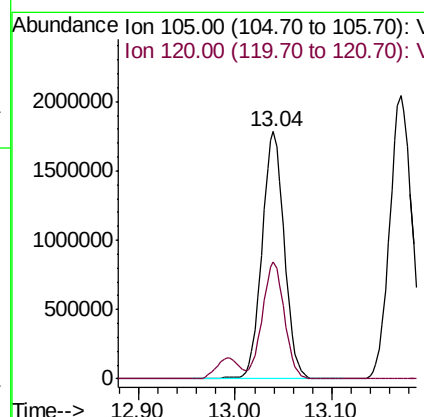
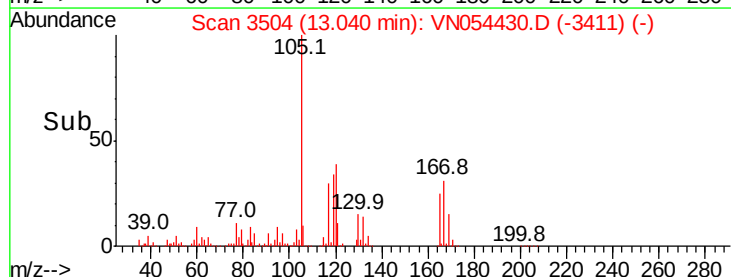
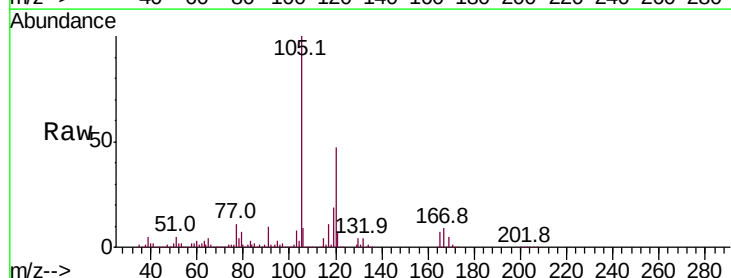
Delta R.T. -0.00 min

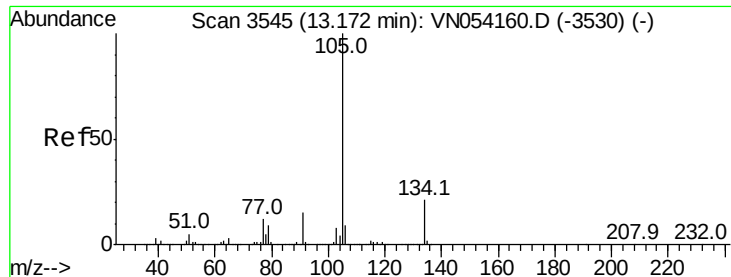
Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:105 Resp: 2845662

Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.340 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3277559

Ion Ratio Lower Upper

105 100

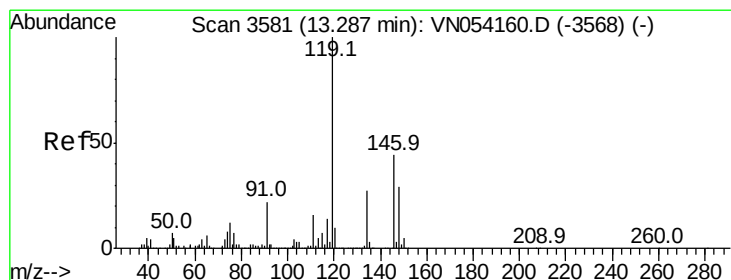
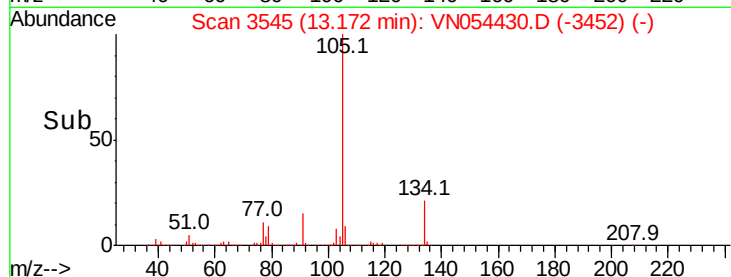
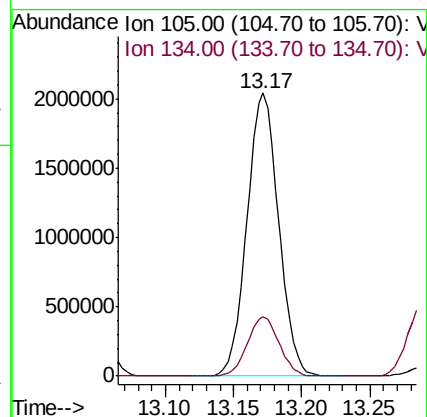
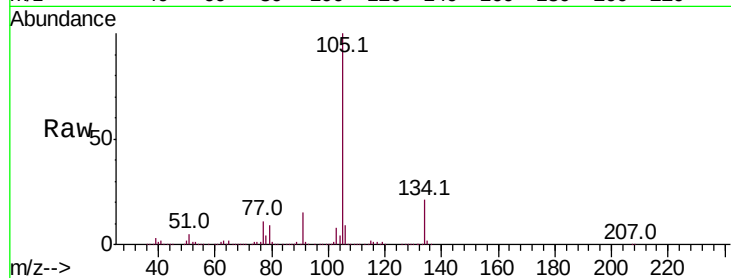
134 21.2 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.584 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

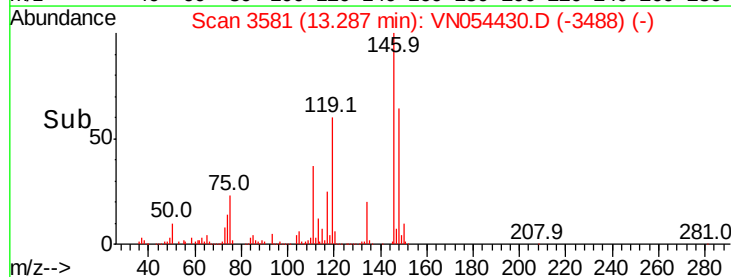
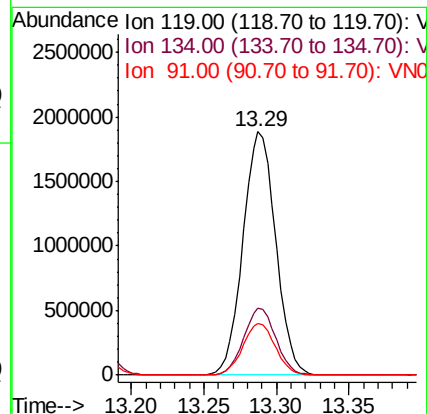
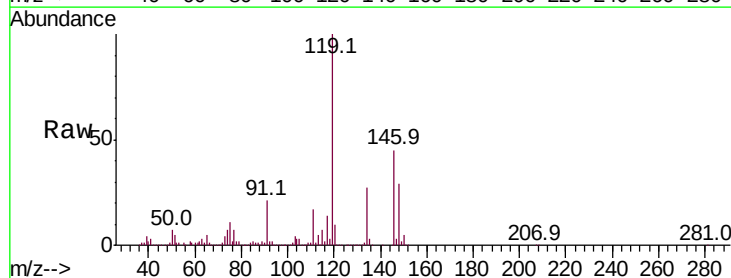
Tgt Ion:119 Resp: 2947917

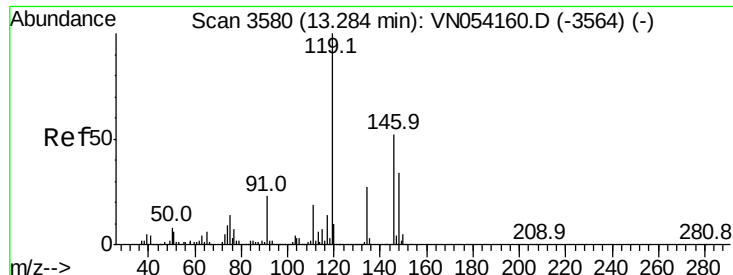
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 52.768 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1574139

Ion Ratio Lower Upper

146 100

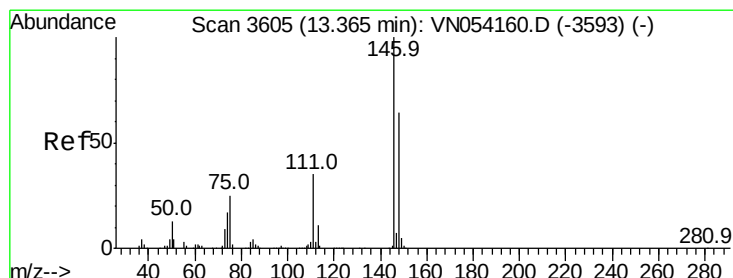
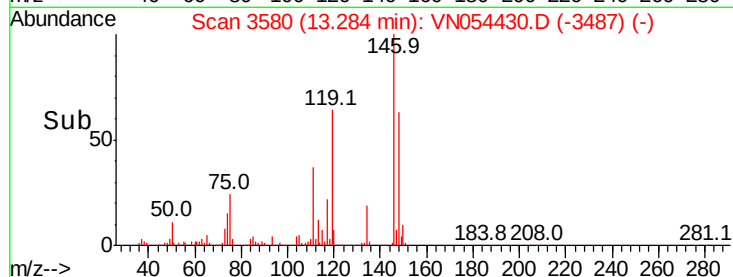
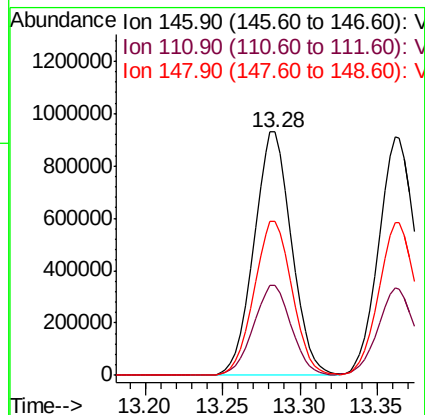
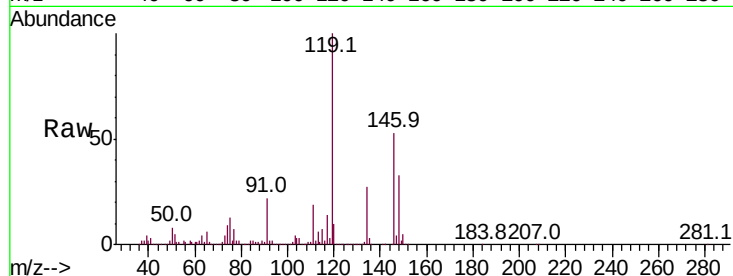
111 37.1 18.8 56.3

148 63.9 32.2 96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.271 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

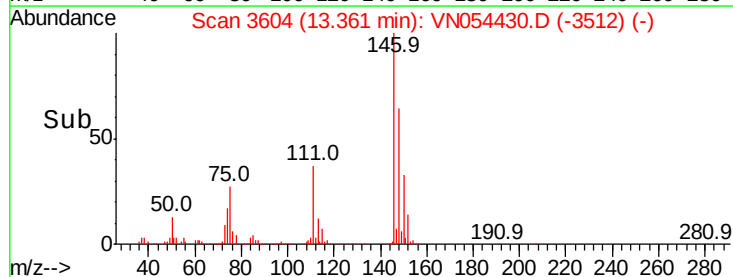
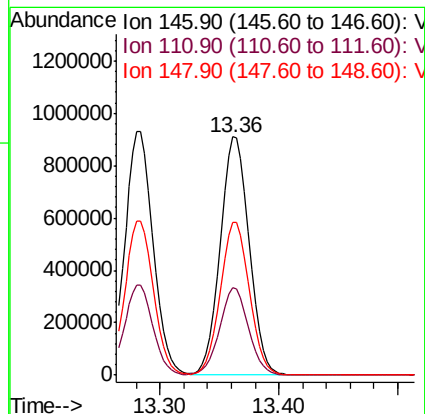
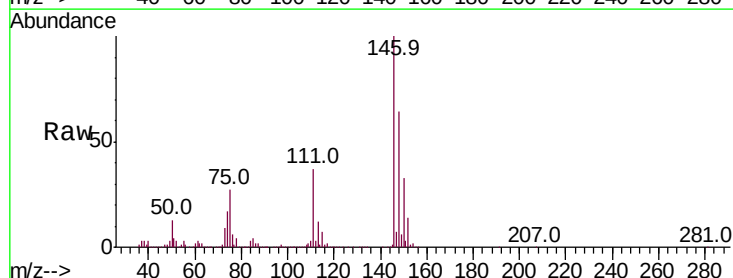
Tgt Ion:146 Resp: 1531830

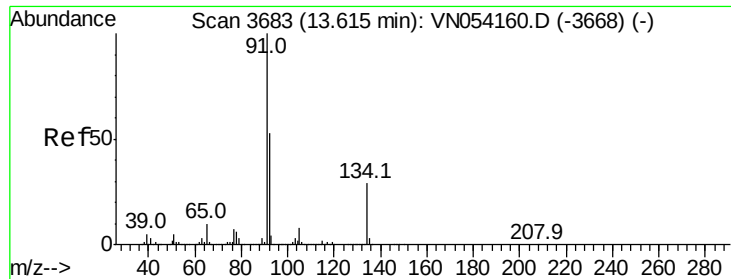
Ion Ratio Lower Upper

146 100

111 36.3 18.1 54.1

148 64.4 32.0 96.0





#89

n-Butylbenzene

Concen: 51.684 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2288568

Ion Ratio Lower Upper

91 100

92 53.2 26.2 78.6

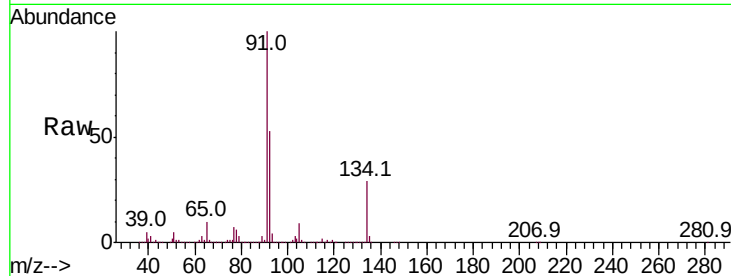
134 29.1 14.3 42.9

Manual Integrations

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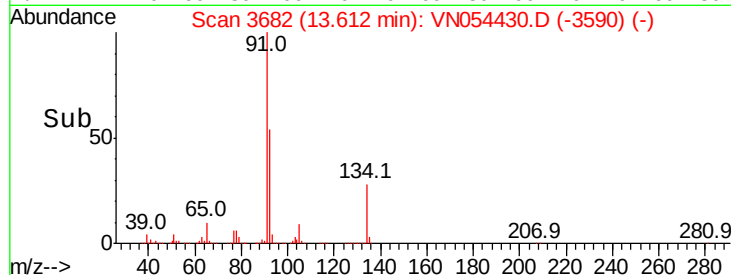


Abundance Ion 91.00 (90.70 to 91.70): VN054430.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054430.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054430.D (-3682) (-)

Time-->

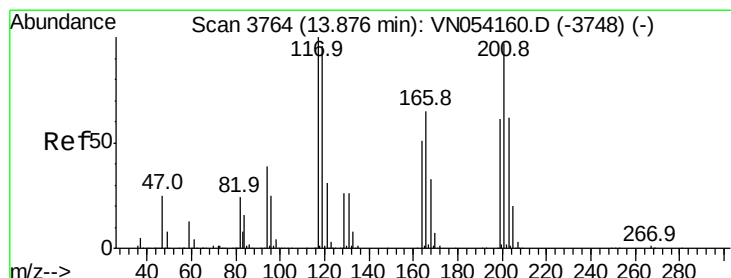


Abundance Ion 91.00 (90.70 to 91.70): VN054430.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054430.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054430.D (-3682) (-)

Time-->



#90

Hexachloroethane

Concen: 45.838 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054430.D

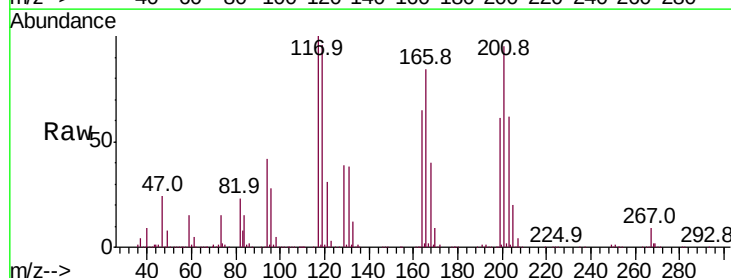
Acq: 19 Mar 2019 10:17

Tgt Ion: 117 Resp: 442332

Ion Ratio Lower Upper

117 100

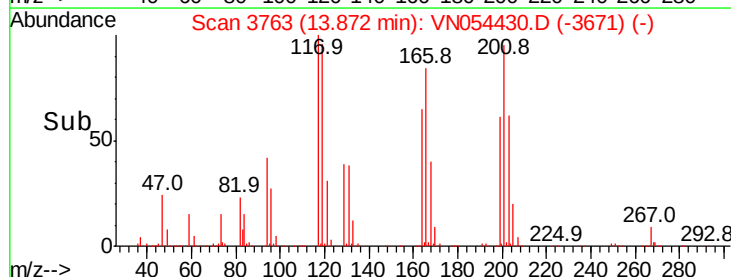
201 95.9 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054430.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054430.D (-3763) (-)

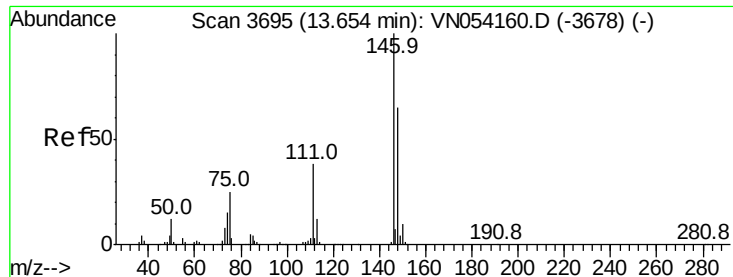
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054430.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054430.D (-3763) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 52.356 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Instrument :

MSVOA_N

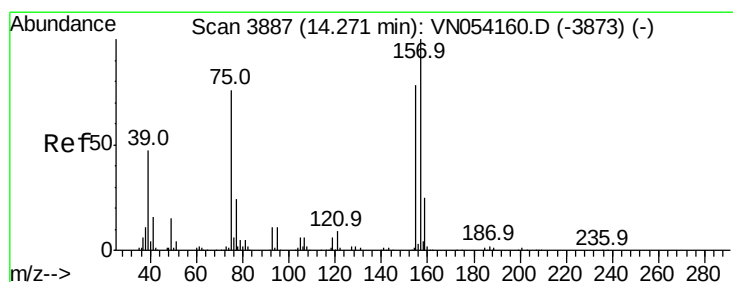
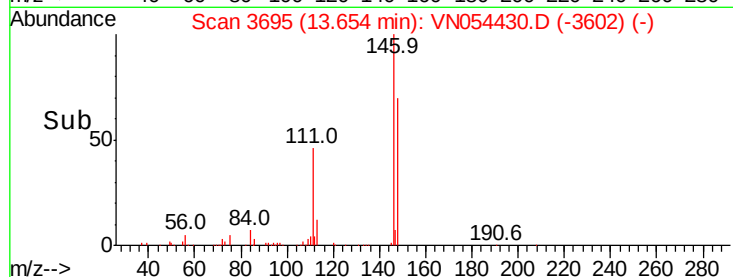
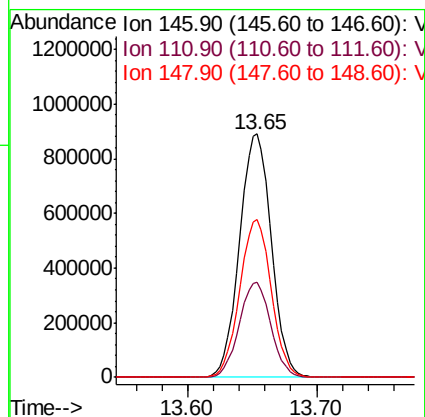
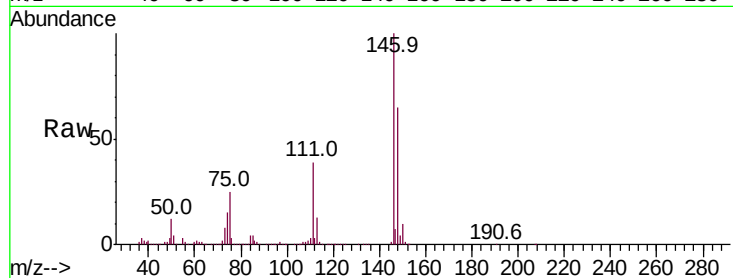
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	1526861
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	64.3	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.089 ug/l

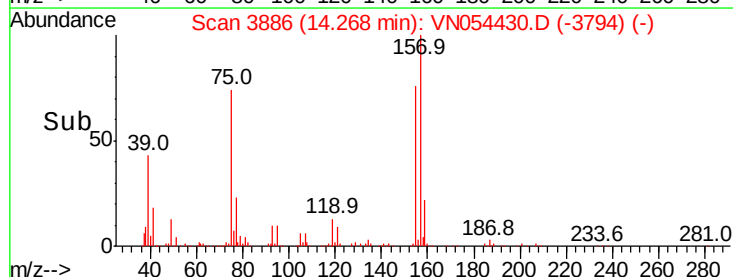
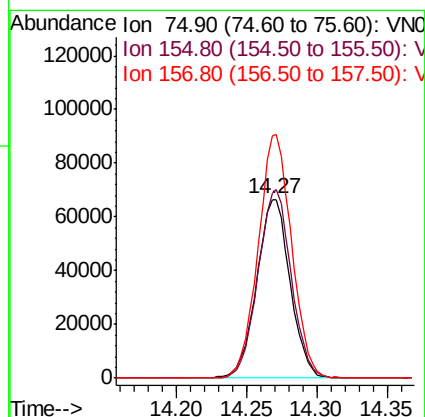
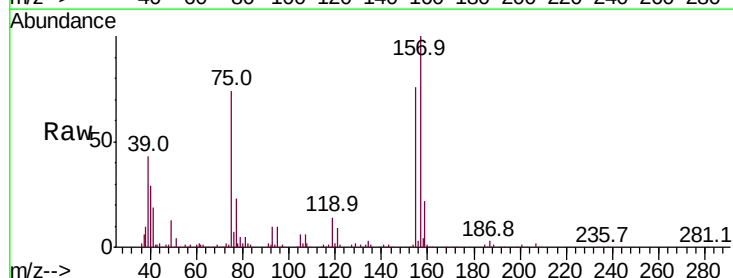
RT: 14.27 min Scan# 3886

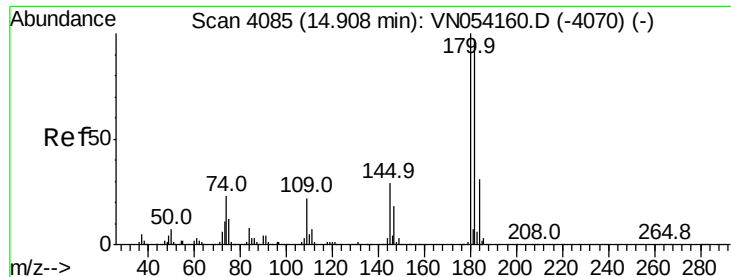
Delta R.T. -0.00 min

Lab File: VN054430.D

Acq: 19 Mar 2019 10:17

Tgt Ion:	75	Resp:	110483
Ion	Ratio	Lower	Upper
75	100		
155	104.8	50.1	150.3
157	135.9	63.1	189.3





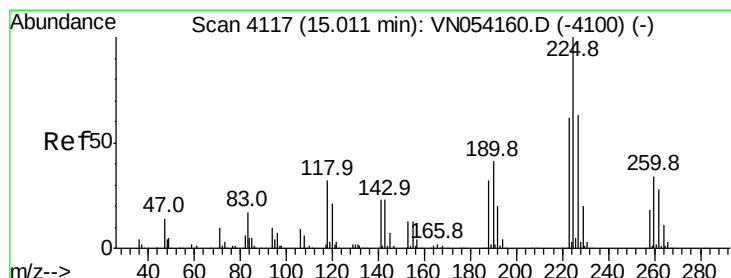
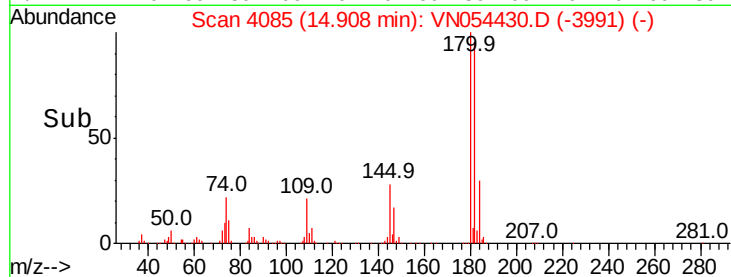
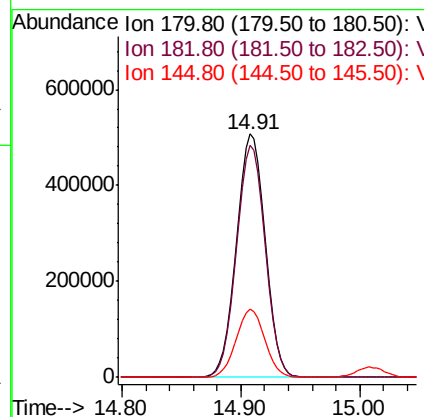
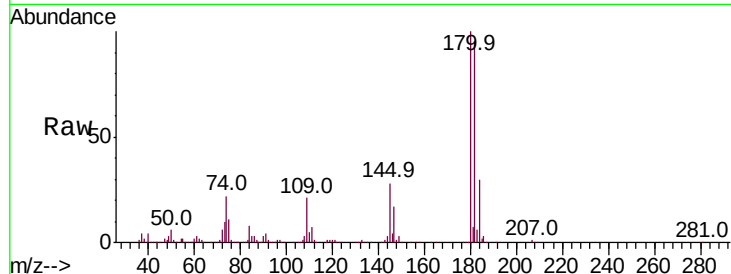
#93
 1,2,4-Trichlorobenzene
 Concen: 48.354 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.0	144.2	
145	27.8	14.2	42.8	

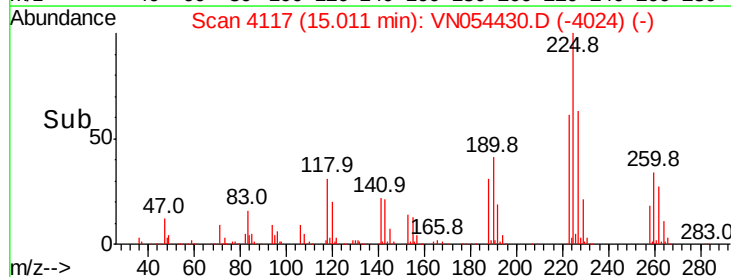
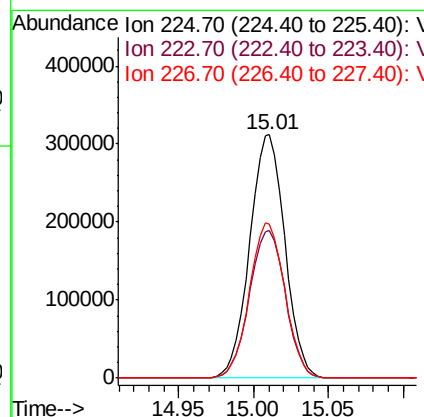
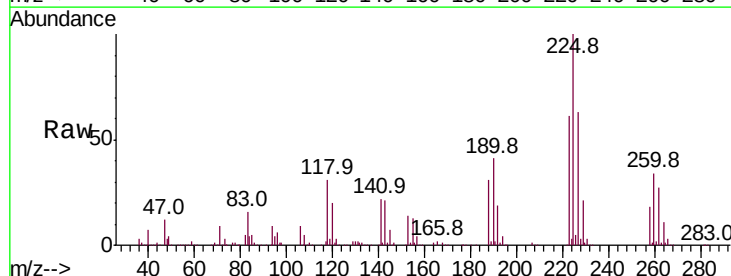
Manual Integrations
 APPROVED

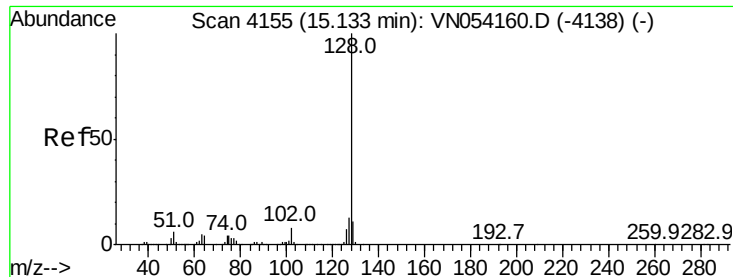
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 45.963 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054430.D
 Acq: 19 Mar 2019 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.1	93.5	
227	64.2	31.9	95.9	





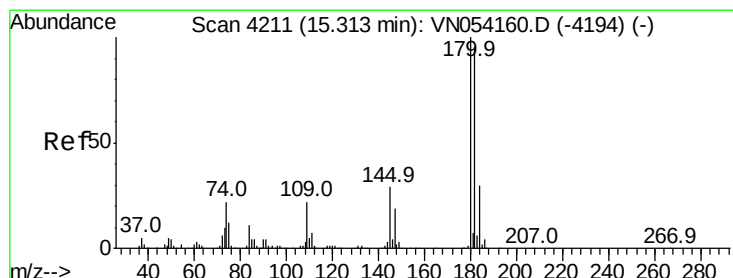
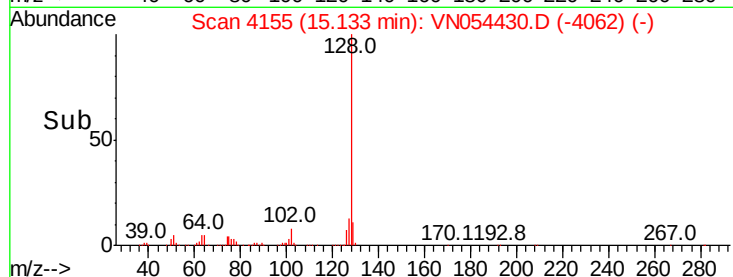
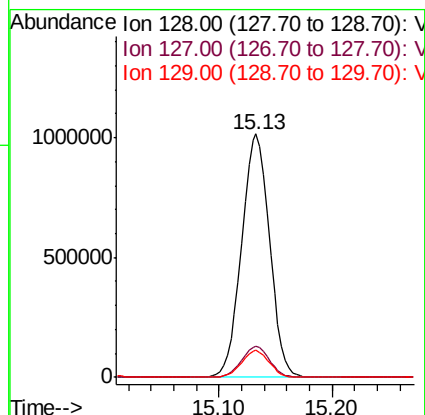
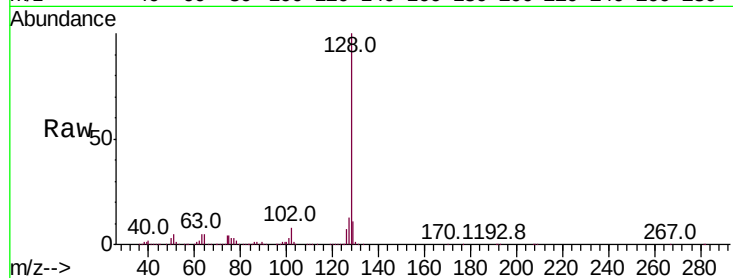
#95
Naphthalene
Concen: 47.812 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1747620
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
3/20/2019 12:21:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.093 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054430.D
Acq: 19 Mar 2019 10:17

Tgt Ion:180 Resp: 822677
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.6
145 29.4 14.8 44.3

