

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052469.D
 Acq On : 27 Nov 2018 10:05
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:28 AM

Quant Time: Nov 28 00:57:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 00:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1014820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1592376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1408669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	610948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	211680	19.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.32%	
35) Dibromofluoromethane	7.59	113	187862	19.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.28%	
50) Toluene-d8	10.09	98	718206	18.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.58%	
62) 4-Bromofluorobenzene	12.40	95	233038	18.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	188023	19.788	ug/l	98
3) Chloromethane	2.06	50	245816	19.598	ug/l	100
4) Vinyl Chloride	2.19	62	254937	19.786	ug/l	100
5) Bromomethane	2.58	94	148918	18.524	ug/l	99
6) Chloroethane	2.71	64	153959	19.727	ug/l	98
7) Trichlorofluoromethane	3.02	101	314596	19.877	ug/l	99
8) Diethyl Ether	3.41	74	116464	19.927	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194457	19.690	ug/l	99
10) Methyl Iodide	3.96	142	247763	18.836	ug/l	99
11) Tert butyl alcohol	4.78	59	49612	89.687	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	188098	19.787	ug/l	99
13) Acrolein	3.61	56	87362	100.391	ug/l	100
14) Allyl chloride	4.33	41	324931	19.832	ug/l	99
15) Acrylonitrile	4.99	53	349423	99.788	ug/l	99
16) Acetone	3.82	43	285146	97.840	ug/l	98
17) Carbon Disulfide	4.06	76	573139	19.158	ug/l	100
18) Methyl Acetate	4.33	43	164111	19.631	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	499844	19.763	ug/l	99
20) Methylene Chloride	4.56	84	217259	19.050	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	198081	19.510	ug/l	97
22) Diisopropyl ether	5.95	45	690108	20.053	ug/l	98
23) Vinyl Acetate	5.90	43	2107655	98.325	ug/l	99
24) 1,1-Dichloroethane	5.85	63	390382	19.867	ug/l	99
25) 2-Butanone	6.83	43	407047	98.537	ug/l	100
26) 2,2-Dichloropropane	6.82	77	264013	19.411	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	229529	19.408	ug/l	98
28) Bromochloromethane	7.19	49	178522	19.891	ug/l	99
29) Tetrahydrofuran	7.21	42	264791	99.381	ug/l	98
30) Chloroform	7.37	83	379534	19.359	ug/l	98
31) Cyclohexane	7.65	56	379749	17.274	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	304874	19.628	ug/l	100
36) 1,1-Dichloropropene	7.79	75	292858	19.476	ug/l	100
37) Ethyl Acetate	6.93	43	176943	19.281	ug/l	99
38) Carbon Tetrachloride	7.77	117	263955	19.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	359091	19.647	ug/l	100
40) Benzene	8.04	78	890789	19.878	ug/l	100
41) Methacrylonitrile	7.17	41	95052	18.945	ug/l	93
42) 1,2-Dichloroethane	8.12	62	271155	19.983	ug/l	99
43) Isopropyl Acetate	8.16	43	298975	19.251	ug/l	99
44) Trichloroethene	8.84	130	225757	19.667	ug/l	100
45) 1,2-Dichloropropane	9.12	63	236126	19.819	ug/l	97
46) Dibromomethane	9.21	93	134135	20.337	ug/l	98
47) Bromodichloromethane	9.40	83	281453	19.627	ug/l	99
48) Methyl methacrylate	9.20	41	154447	19.072	ug/l	99
49) 1,4-Dioxane	9.20	88	32096	381.897	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	861703	98.891	ug/l	100
52) Toluene	10.16	92	529778	19.897	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	263819	19.124	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	322987	19.537	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	188683	20.146	ug/l	99
56) Ethyl methacrylate	10.43	69	225799	19.590	ug/l	100
57) 1,3-Dichloropropane	10.71	76	330617	19.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	700343	103.052	ug/l	100
59) 2-Hexanone	10.75	43	580394	99.243	ug/l	100
60) Dibromochloromethane	10.90	129	198131	19.478	ug/l	99
61) 1,2-Dibromoethane	11.01	107	182020	19.567	ug/l	100
64) Tetrachloroethene	10.63	164	213256	19.526	ug/l	98
65) Chlorobenzene	11.43	112	571952	19.691	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	195858	19.393	ug/l	99
67) Ethyl Benzene	11.51	91	1006994	19.797	ug/l	98
68) m/p-Xylenes	11.62	106	752417	39.735	ug/l	100
69) o-Xylene	11.95	106	368332	20.031	ug/l	100
70) Styrene	11.96	104	582663	19.894	ug/l	99
71) Bromoform	12.13	173	132129	19.758	ug/l #	98
73) Isopropylbenzene	12.25	105	964410	20.120	ug/l	99
74) N-amyl acetate	12.07	43	233790	19.306	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	218055	19.998	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	188883m	20.843	ug/l	
77) Bromobenzene	12.53	156	235223	19.854	ug/l	99
78) n-propylbenzene	12.59	91	1101207	20.223	ug/l	100
79) 2-Chlorotoluene	12.68	91	654400	20.180	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	784108	20.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53036	18.800	ug/l	94
82) 4-Chlorotoluene	12.77	91	654228	20.018	ug/l	99
83) tert-Butylbenzene	12.99	119	687559	20.175	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	782736	20.431	ug/l	99
85) sec-Butylbenzene	13.17	105	934103	20.123	ug/l	100
86) p-Isopropyltoluene	13.29	119	799329	20.217	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	412906	19.924	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401571	19.672	ug/l	99
89) n-Butylbenzene	13.62	91	655804	19.945	ug/l	100
90) Hexachloroethane	13.88	117	131075	19.580	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	394575	19.928	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29207	18.729	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181652	19.402	ug/l	99
94) Hexachlorobutadiene	15.01	225	126721	19.894	ug/l	99
95) Naphthalene	15.14	128	375398	19.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	175251	20.042	ug/l	100

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

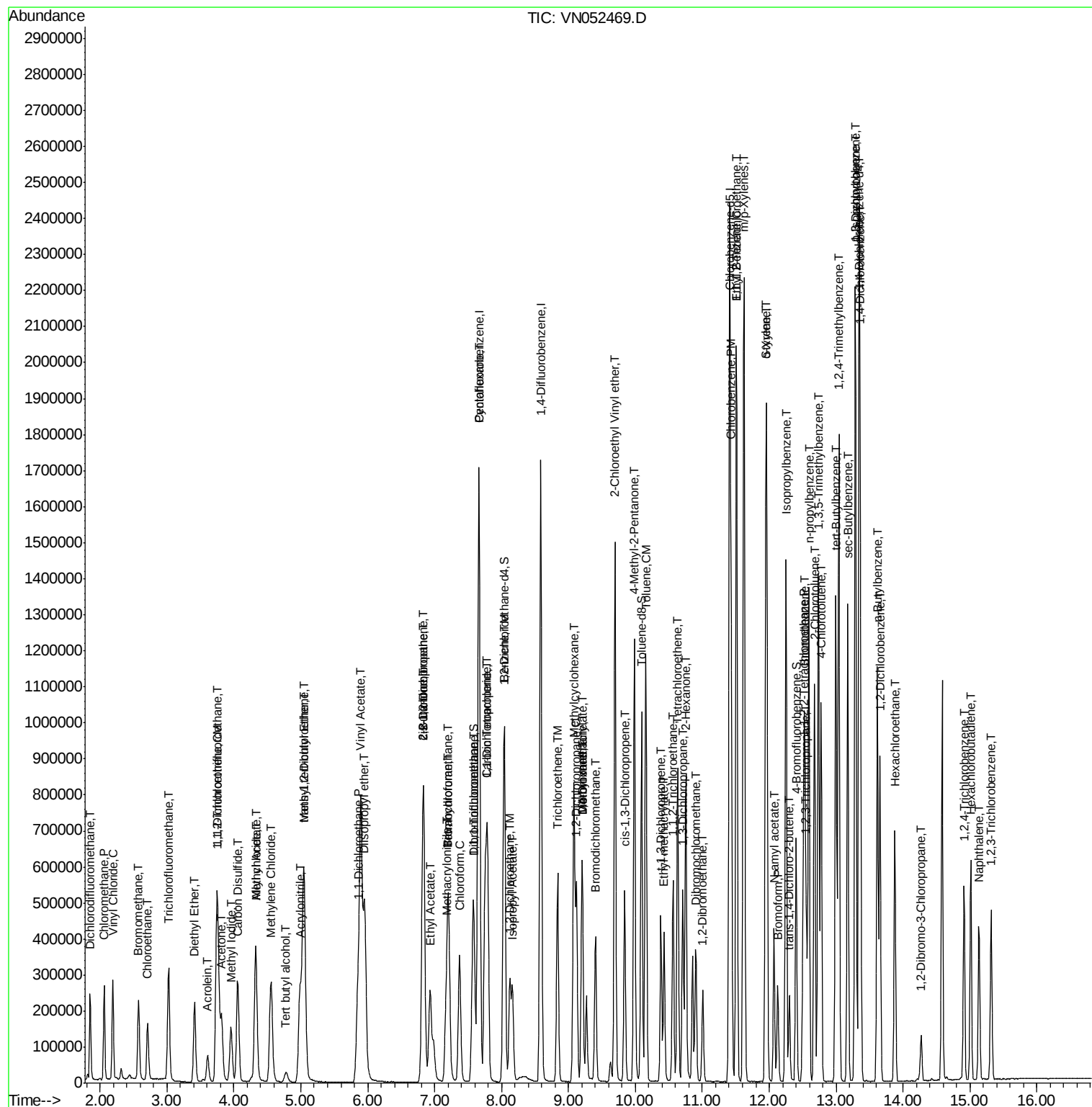
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
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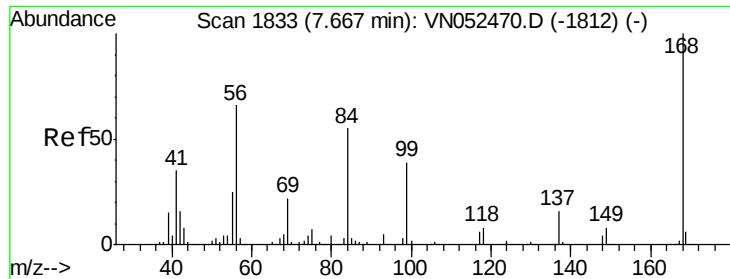
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052469.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 1014820

Ion Ratio Lower Upper

168 100

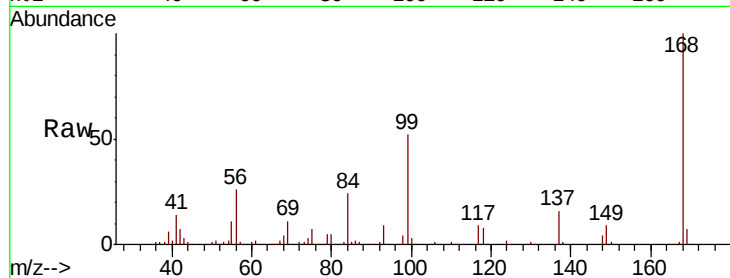
99 52.0 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

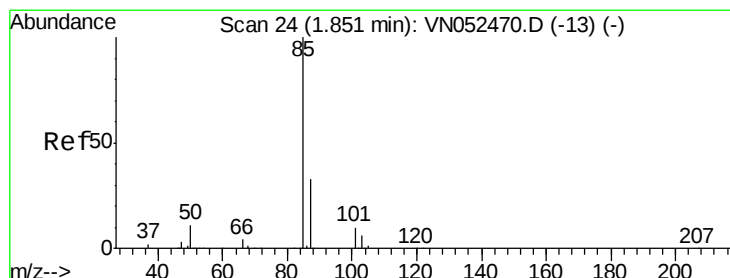
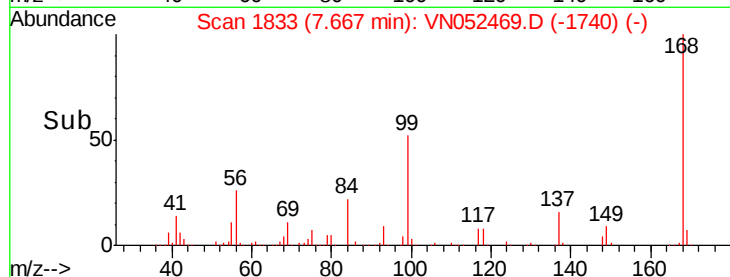
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.788 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052469.D

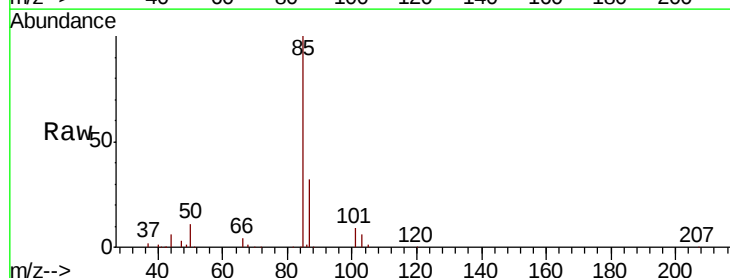
Acq: 27 Nov 2018 10:05

Tgt Ion: 85 Resp: 188023

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

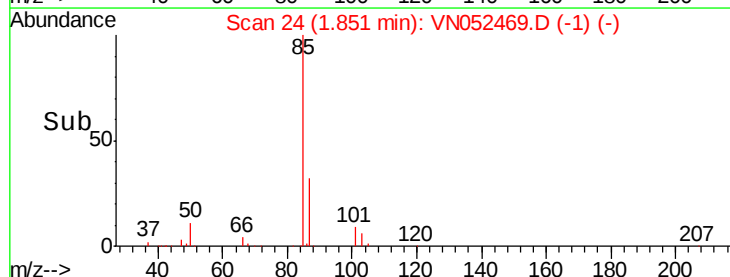
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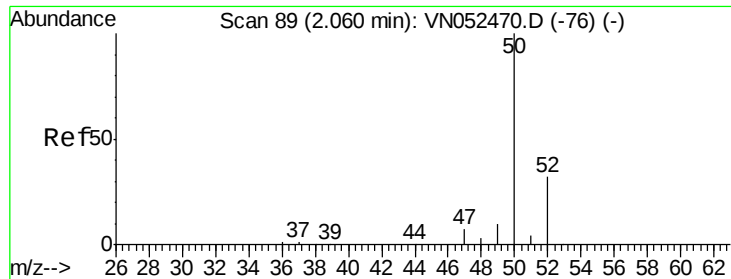
100000

50000

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Time-->





#3

Chloromethane

Concen: 19.598 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 245816

Ion Ratio Lower Upper

50 100

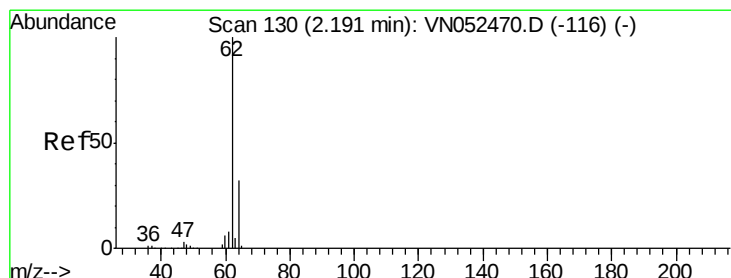
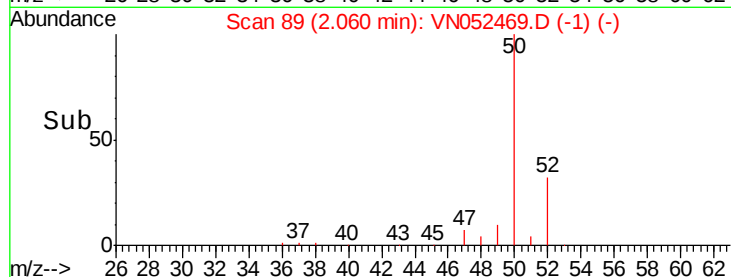
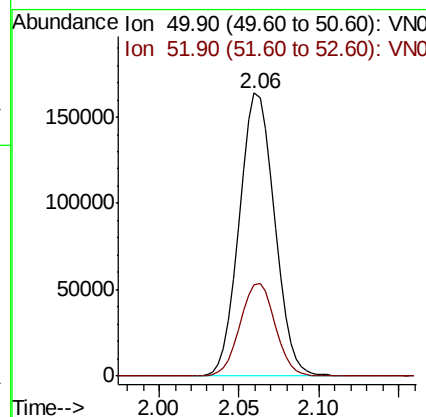
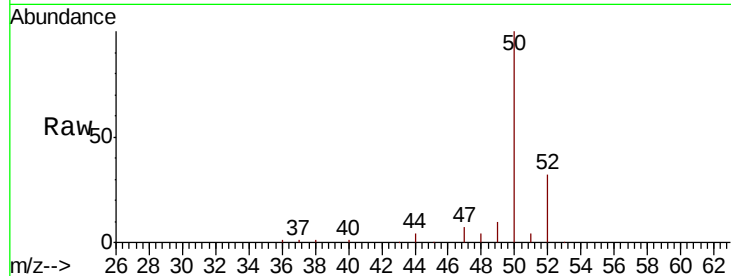
52 32.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.786 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052469.D

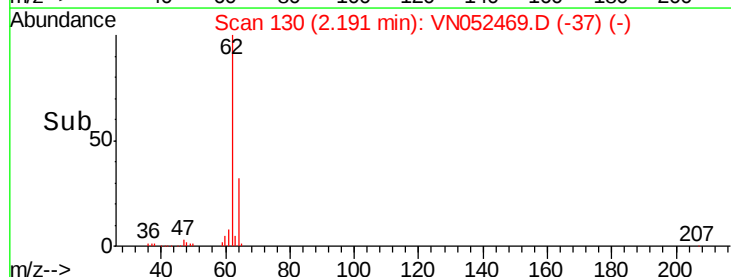
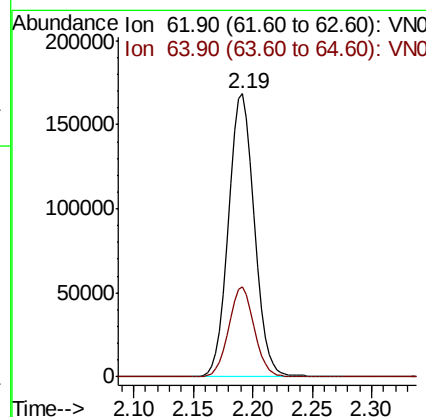
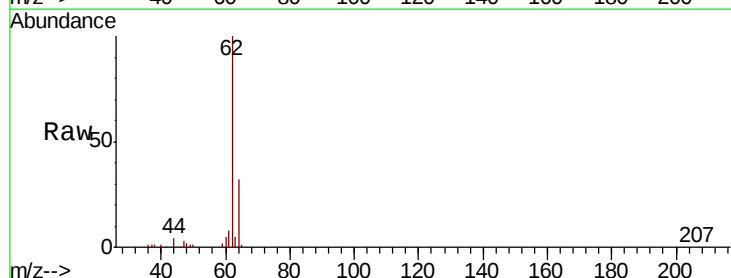
Acq: 27 Nov 2018 10:05

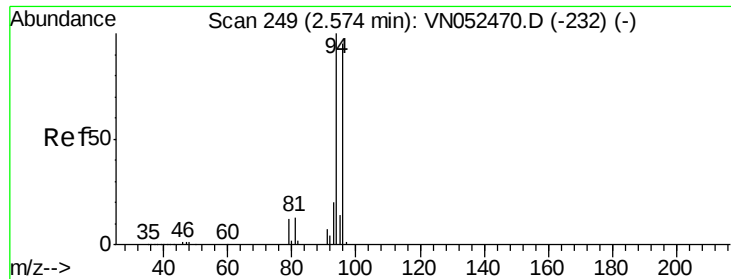
Tgt Ion: 62 Resp: 254937

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 18.524 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

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Tgt Ion: 94 Resp: 148918

Ion Ratio Lower Upper

94 100

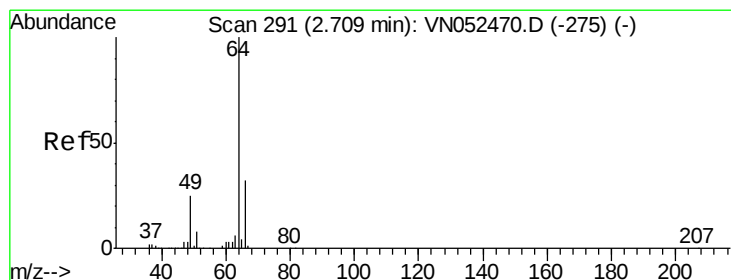
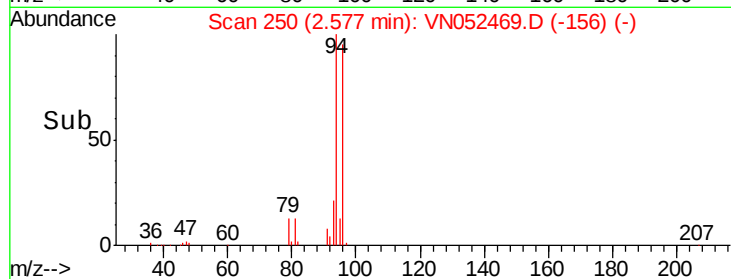
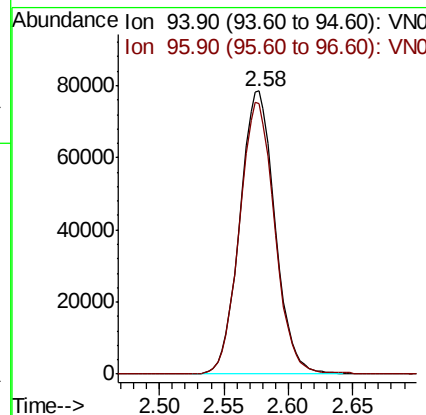
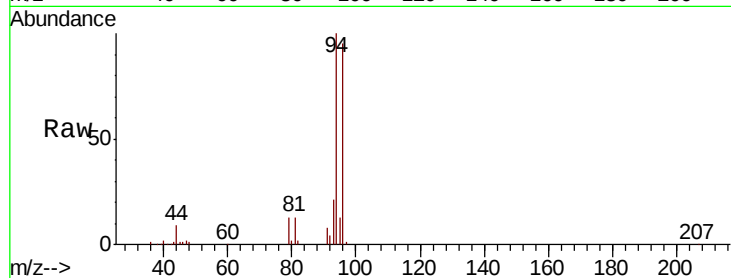
96 95.4 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 19.727 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052469.D

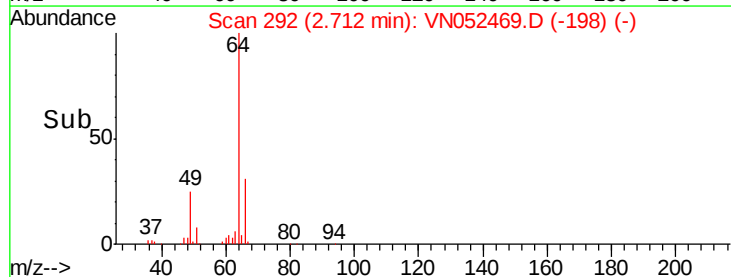
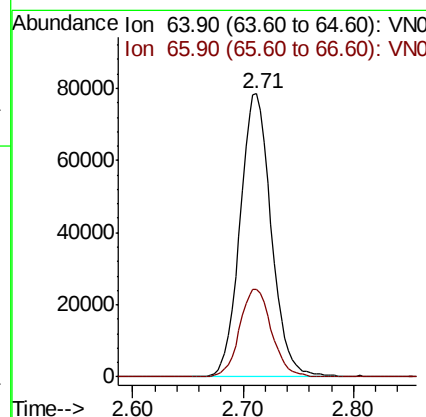
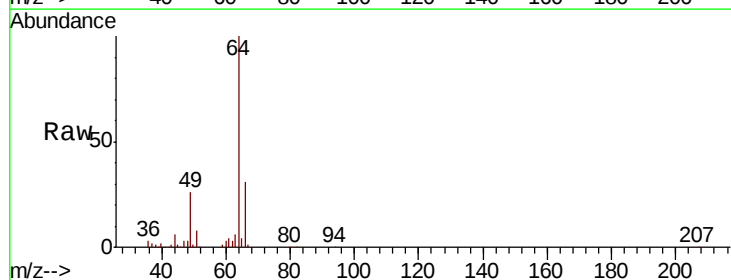
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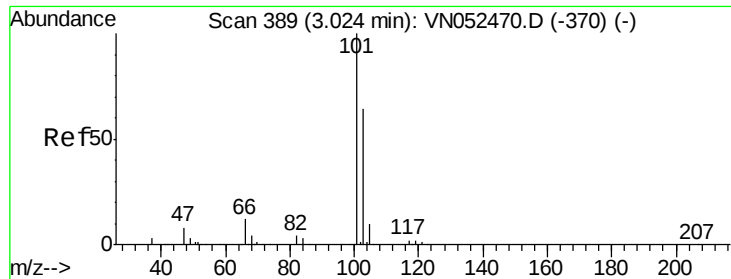
Tgt Ion: 64 Resp: 153959

Ion Ratio Lower Upper

64 100

66 31.0 25.7 38.5





#7

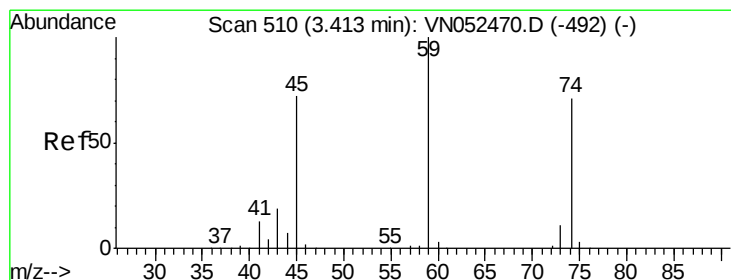
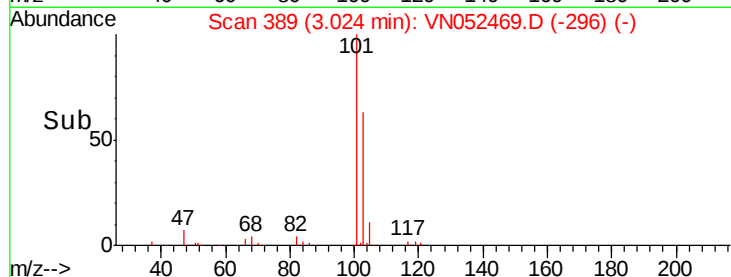
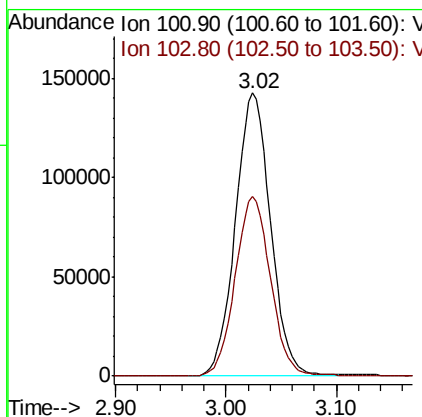
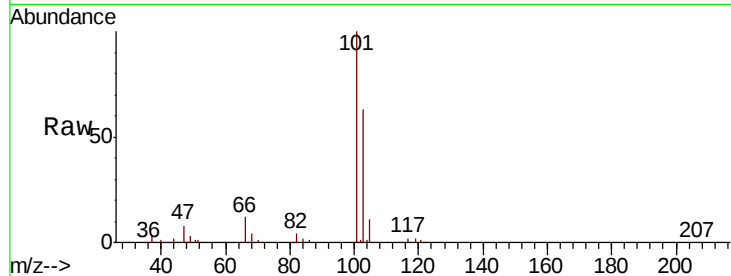
Trichlorofluoromethane
 Concen: 19.877 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052469.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.4	77.2

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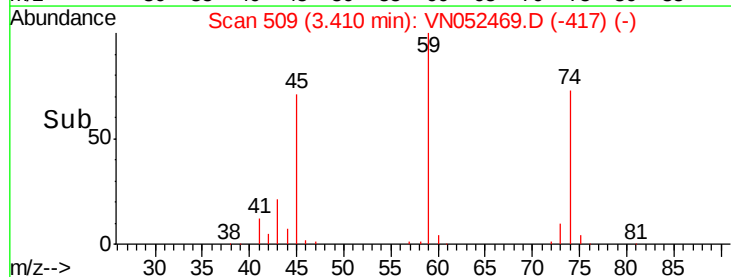
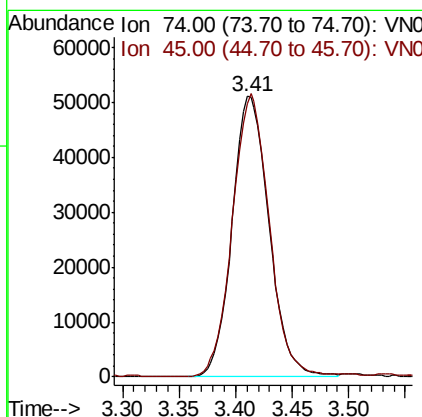
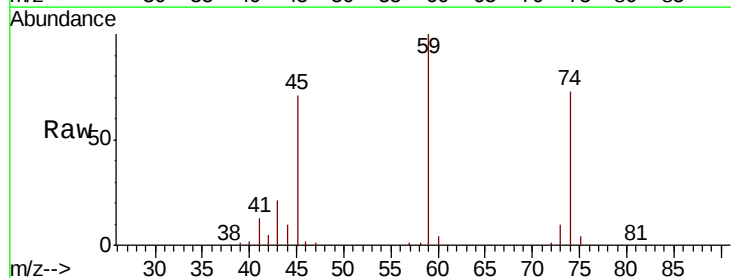
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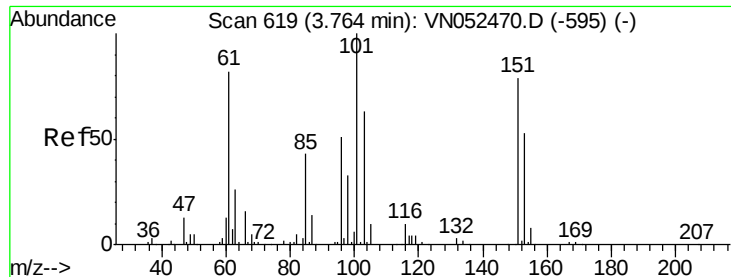


#8

Diethyl Ether
 Concen: 19.927 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.690 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052469.D

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Instrument :

MSVOA_N

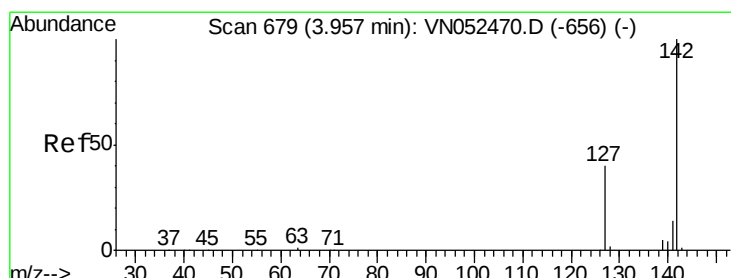
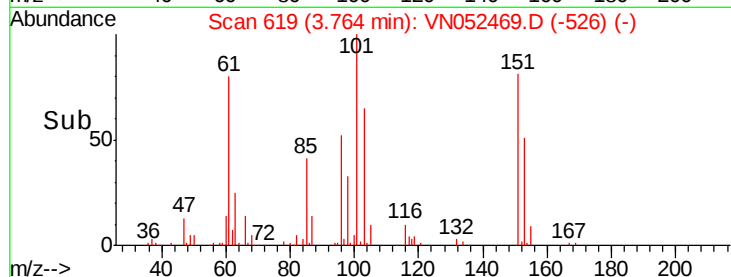
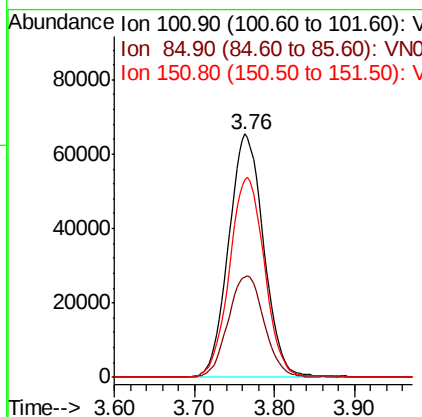
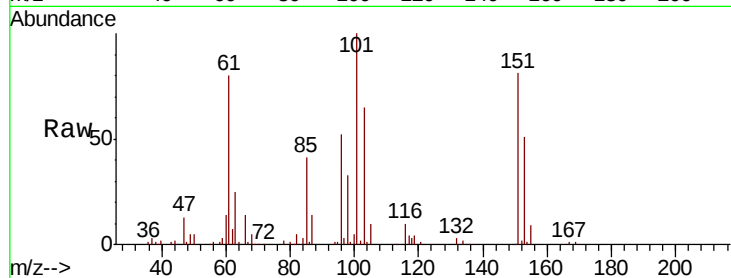
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	194457
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.9	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.836 ug/l

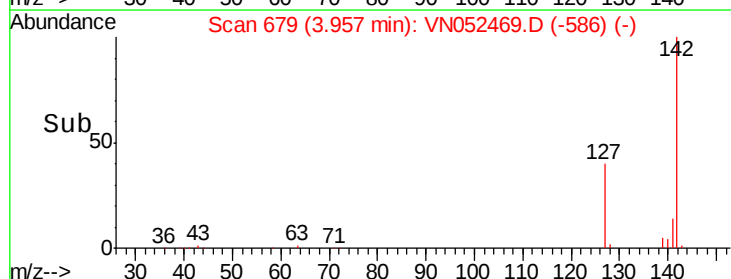
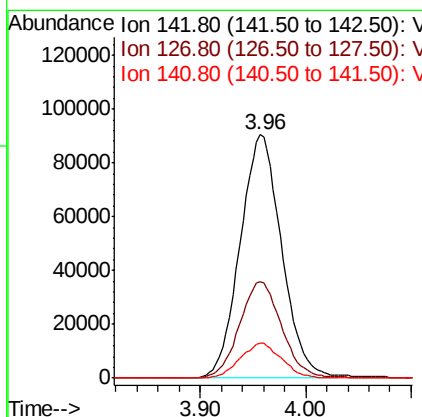
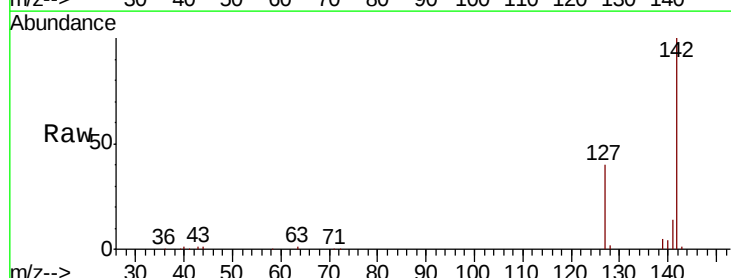
RT: 3.96 min Scan# 679

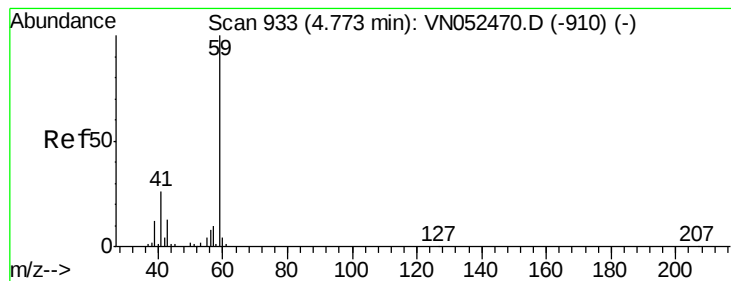
Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion:	142	Resp:	247763
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.8	47.6
141	14.3	11.4	17.0





#11

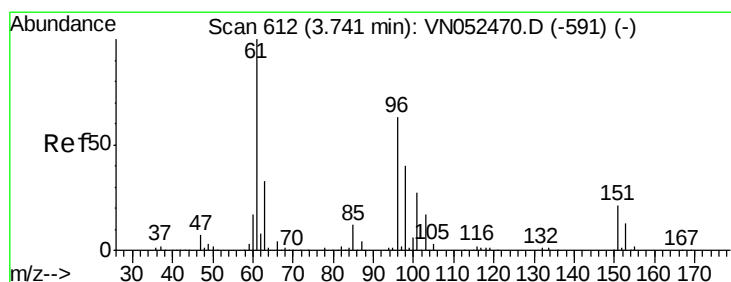
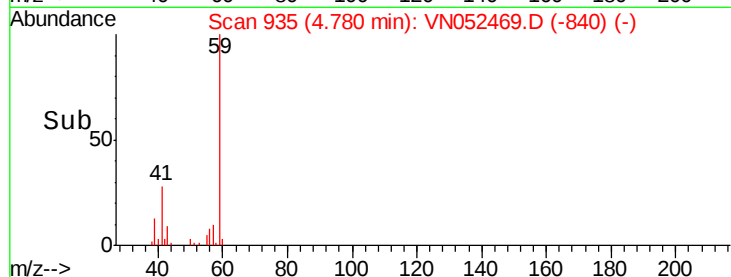
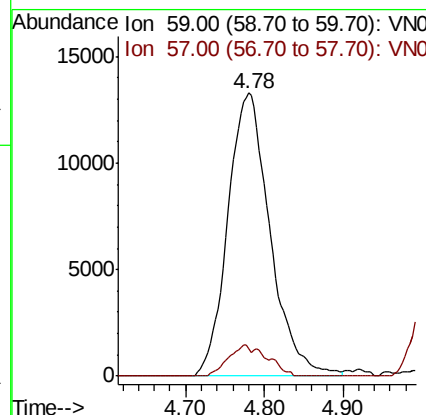
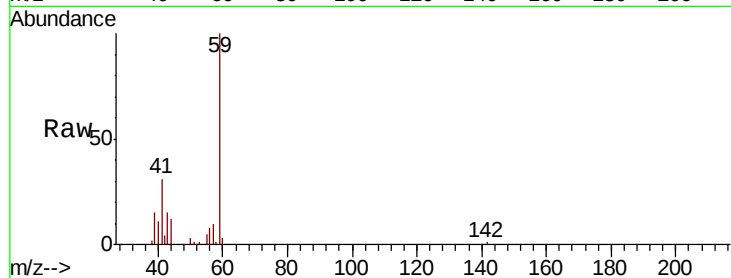
Tert butyl alcohol
Concen: 89.687 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.7	7.9	11.9#

Manual Integrations
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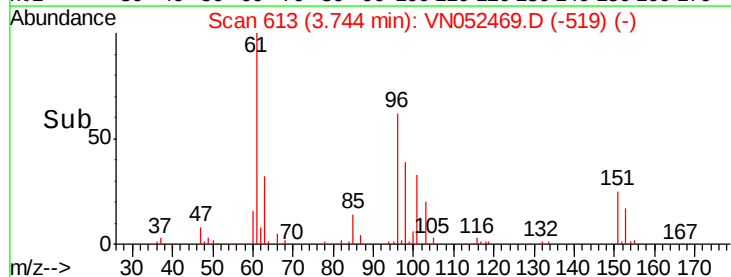
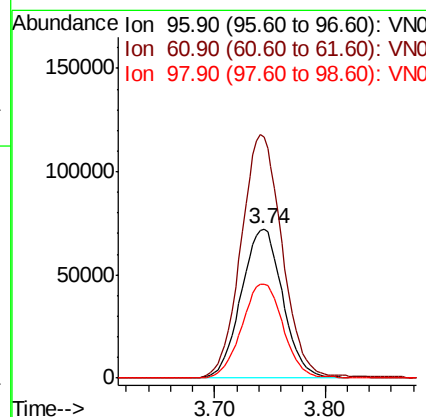
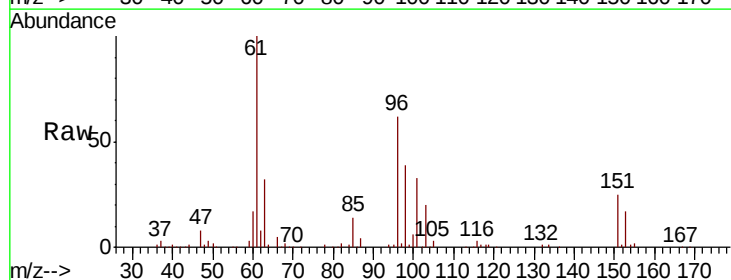
MMDadoda
11/28/2018 9:33:28 AM

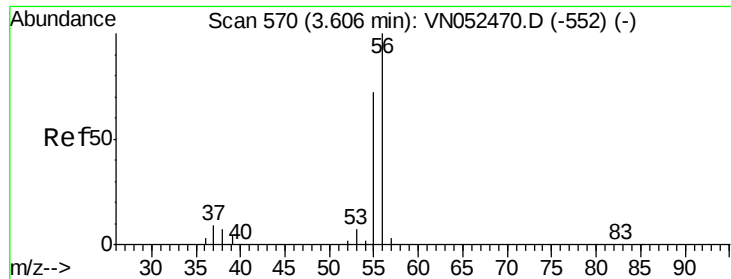


#12

1,1-Dichloroethene
Concen: 19.787 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	127.0	190.6
98	63.1	50.3	75.5





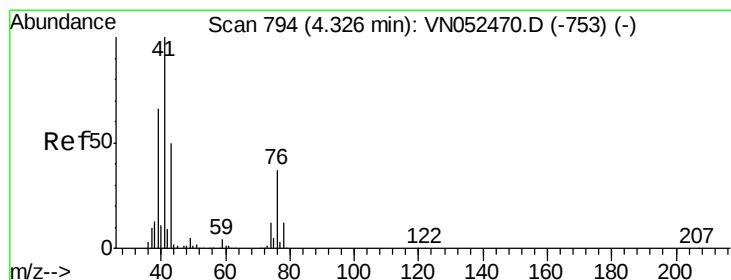
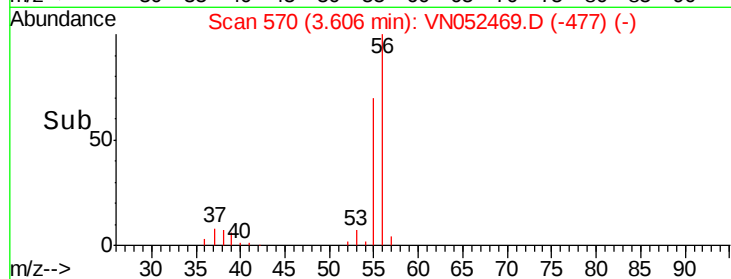
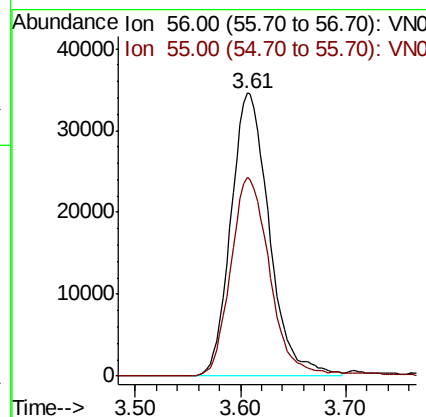
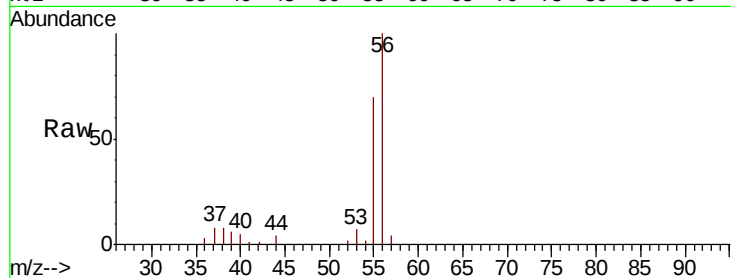
#13
Acrolein
Concen: 100.391 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 87362
Ion Ratio Lower Upper
56 100
55 70.8 56.8 85.2

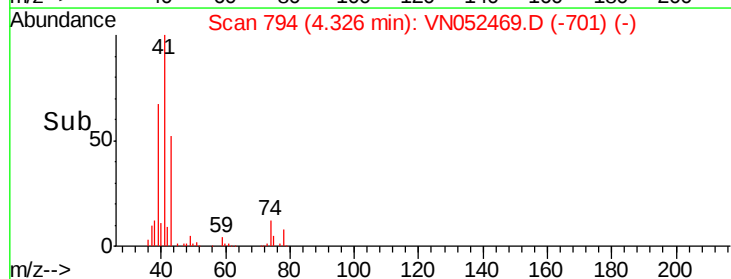
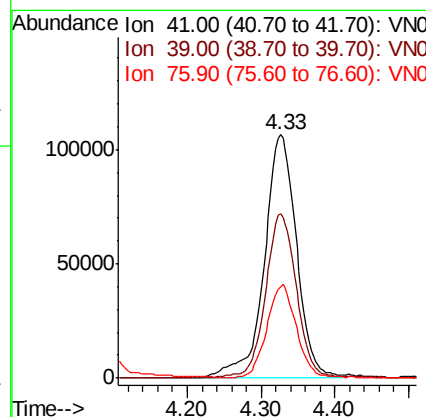
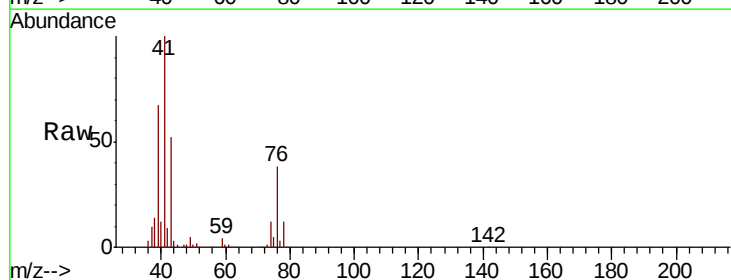
Manual Integrations
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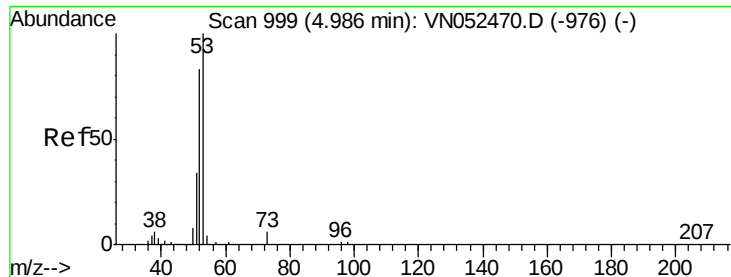
MMDadoda
11/28/2018 9:33:28 AM



#14
Allyl chloride
Concen: 19.832 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 41 Resp: 324931
Ion Ratio Lower Upper
41 100
39 64.8 50.6 76.0
76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 99.788 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

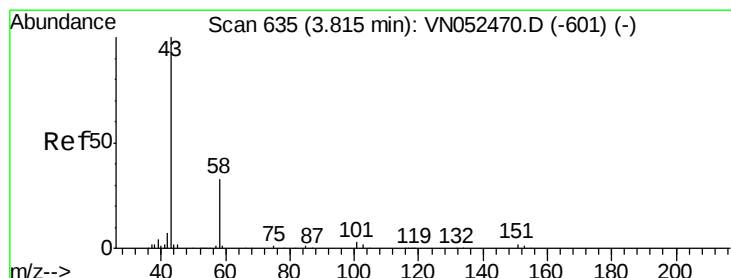
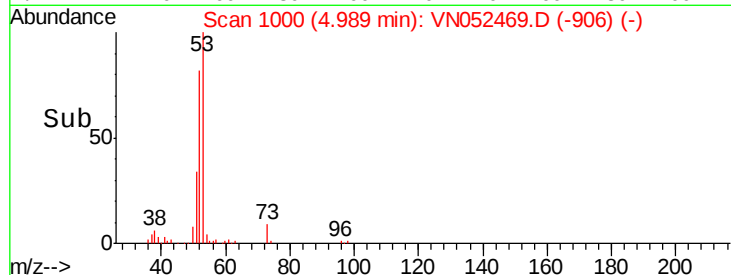
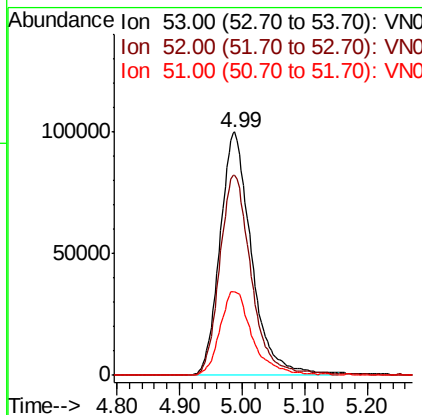
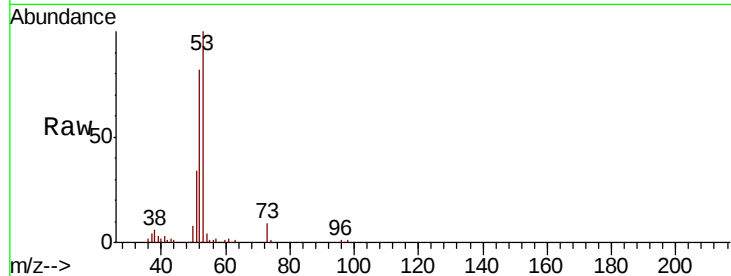
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	349423
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.2	99.2
51	35.0	28.1	42.1

Manual Integrations
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11/28/2018 9:33:28 AM



#16

Acetone

Concen: 97.840 ug/l

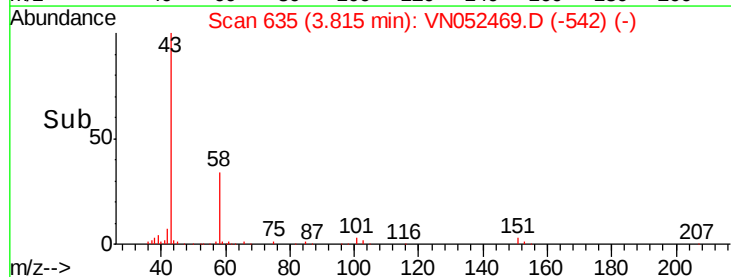
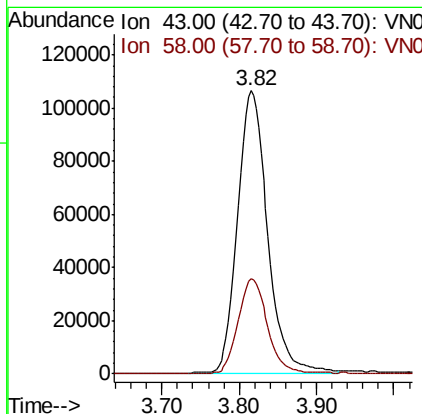
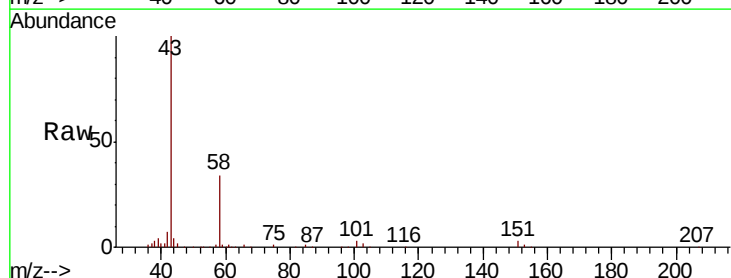
RT: 3.82 min Scan# 635

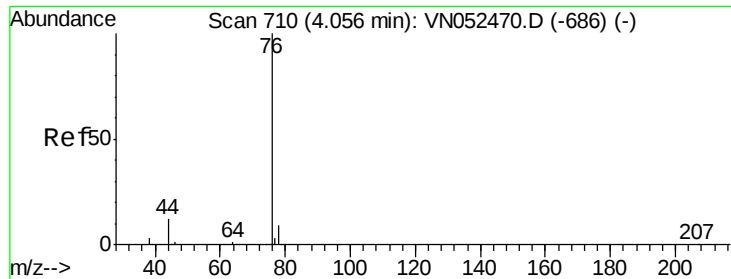
Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion:	43	Resp:	285146
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.0	39.0





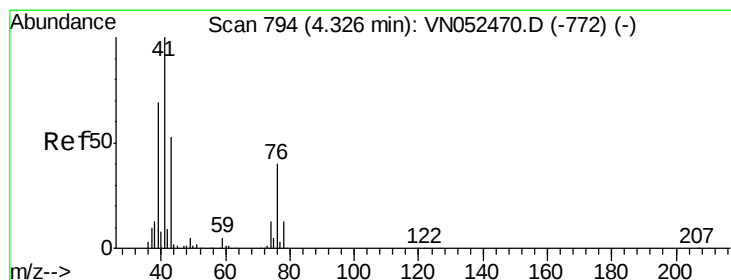
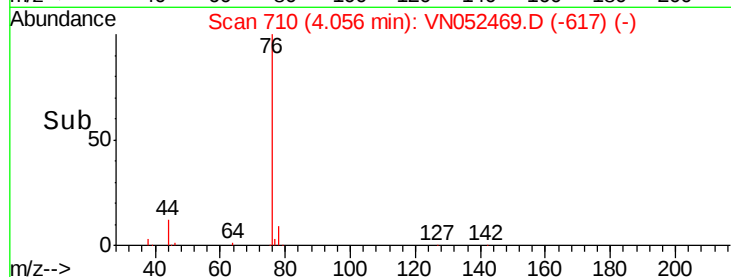
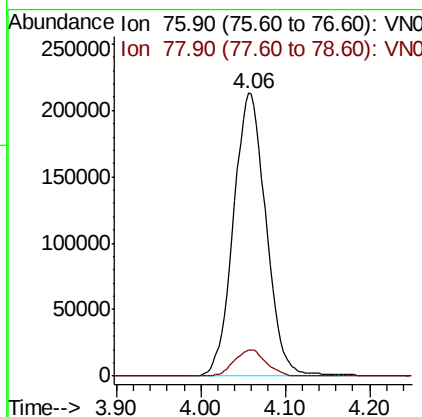
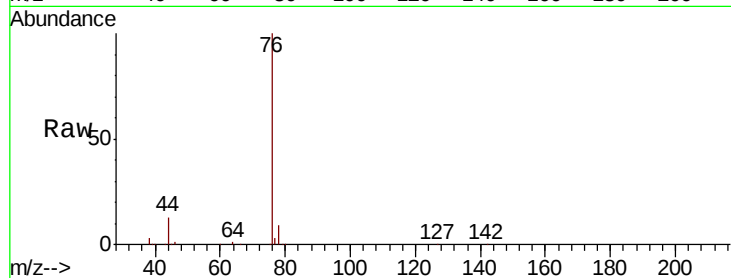
#17
Carbon Disulfide
Concen: 19.158 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 573139
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

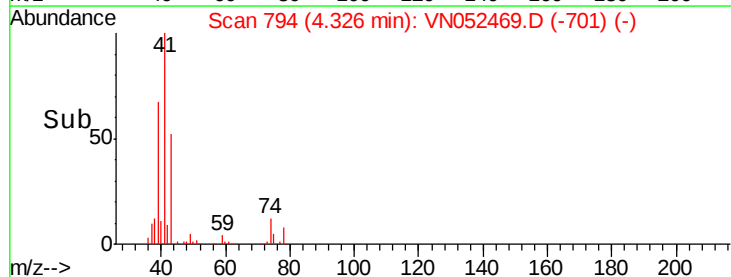
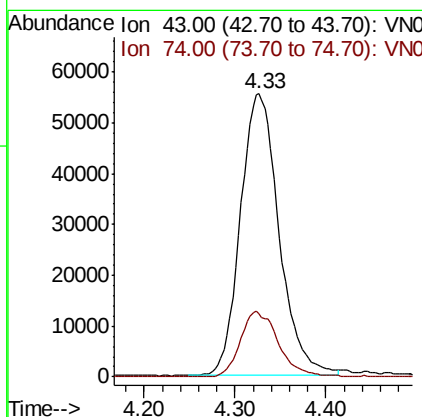
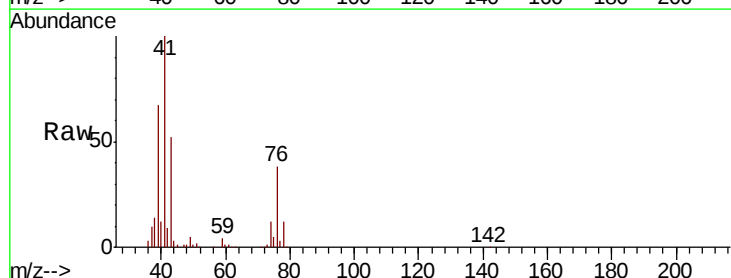
Manual Integrations
APPROVED

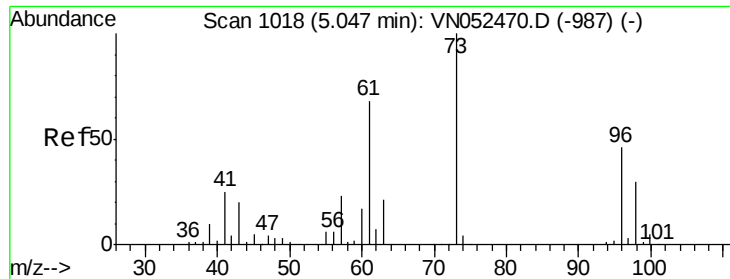
MMDadoda
11/28/2018 9:33:28 AM



#18
Methyl Acetate
Concen: 19.631 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 43 Resp: 164111
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8





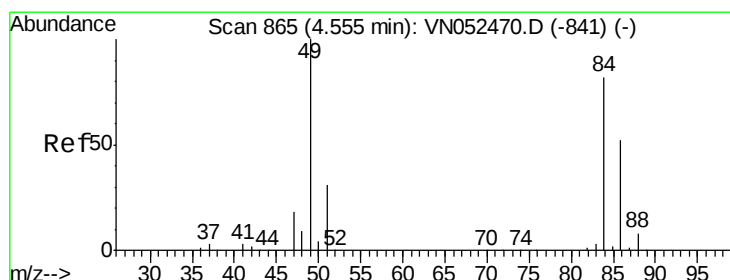
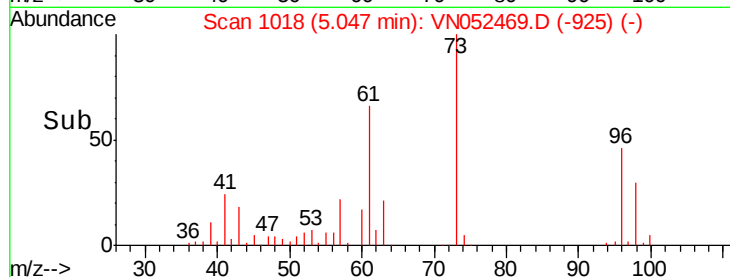
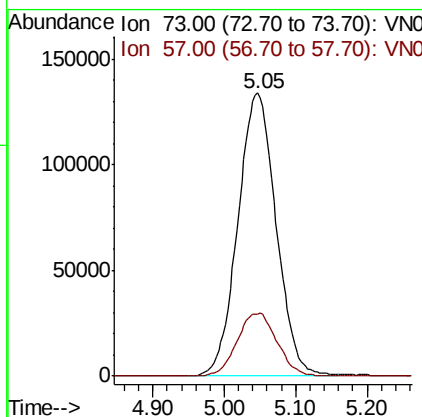
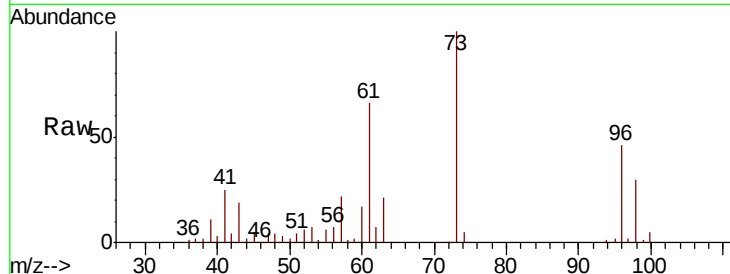
#19
Methyl tert-butyl Ether
Concen: 19.763 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 499844
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.2

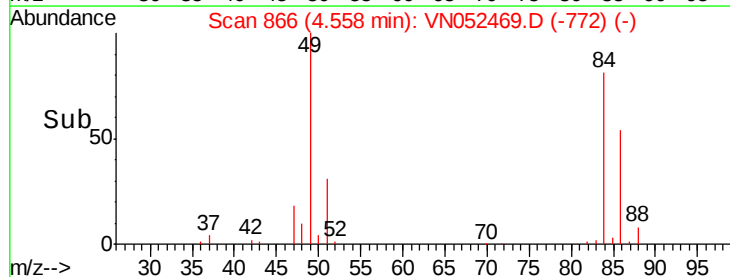
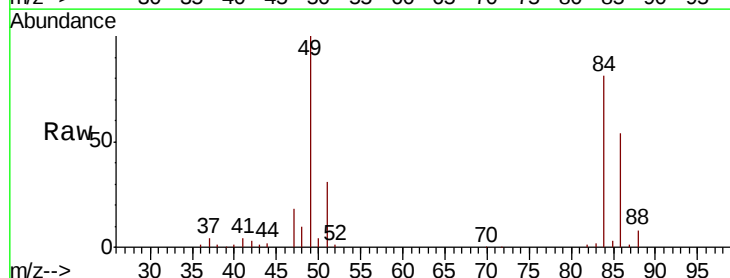
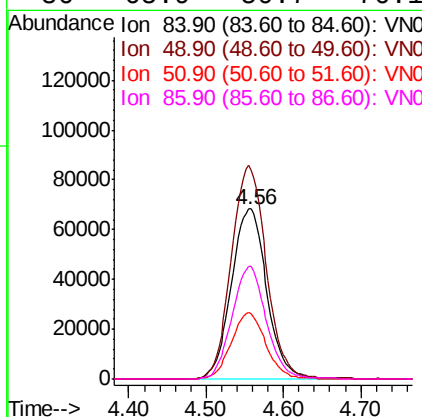
Manual Integrations
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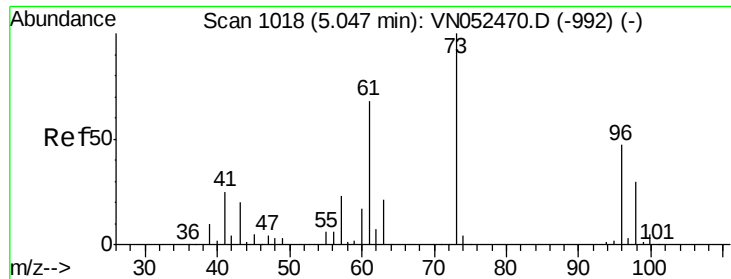
MMDadoda
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#20
Methylene Chloride
Concen: 19.050 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 84 Resp: 217259
Ion Ratio Lower Upper
84 100
49 123.0 98.0 147.0
51 38.6 30.1 45.1
86 65.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.510 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 198081

Ion Ratio Lower Upper

96 100

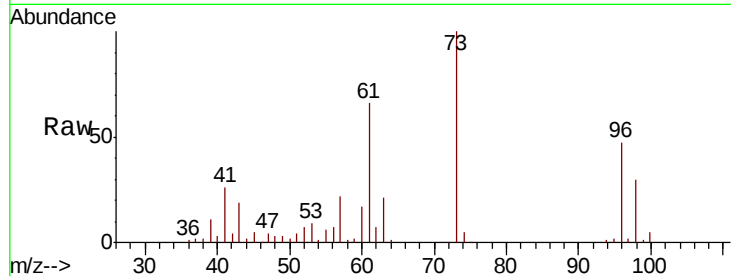
61 140.9 117.0 175.4

98 64.1 51.8 77.6

Manual Integrations
APPROVED

MMDadoda

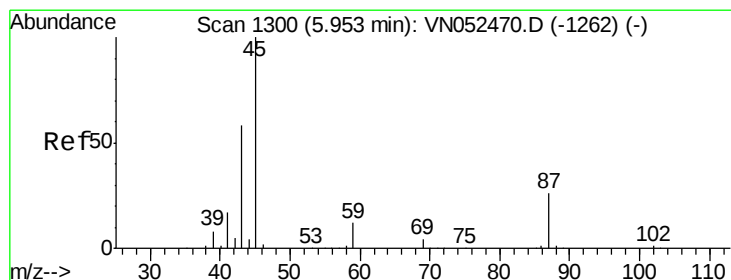
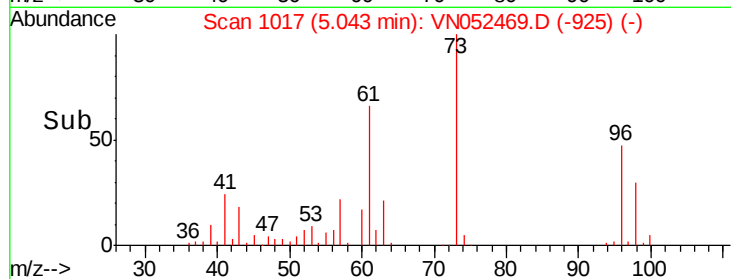
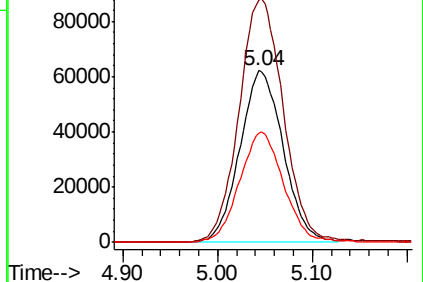
11/28/2018 9:33:28 AM



Abundance Ion 95.90 (95.60 to 96.60): VN052470.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-992) (-)



#22

Diisopropyl ether

Concen: 20.053 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion: 45 Resp: 690108

Ion Ratio Lower Upper

45 100

43 59.2 46.1 69.1

87 26.3 21.3 31.9

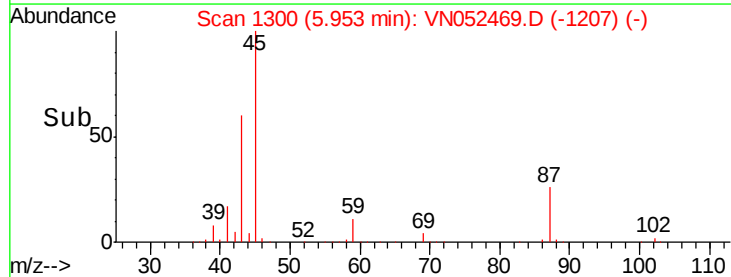
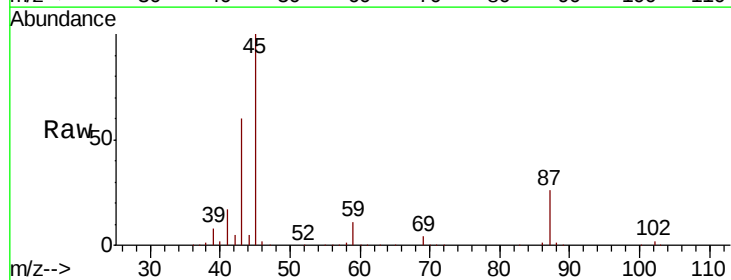
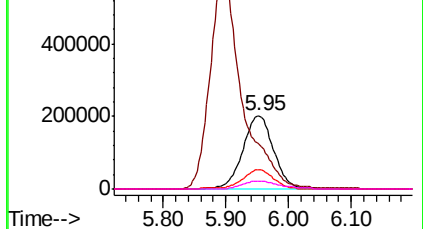
59 11.0 9.5 14.3

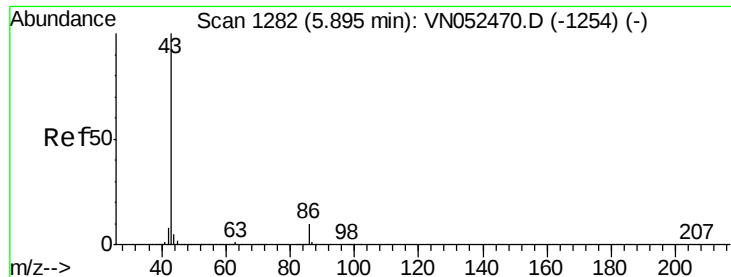
Abundance Ion 45.00 (44.70 to 45.70): VN052470.D (-1262) (-)

Ion 43.00 (42.70 to 43.70): VN052470.D (-1262) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1262) (-)

Ion 59.00 (58.70 to 59.70): VN052470.D (-1262) (-)





#23

Vinyl Acetate

Concen: 98.325 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 2107655

Ion Ratio Lower Upper

43 100

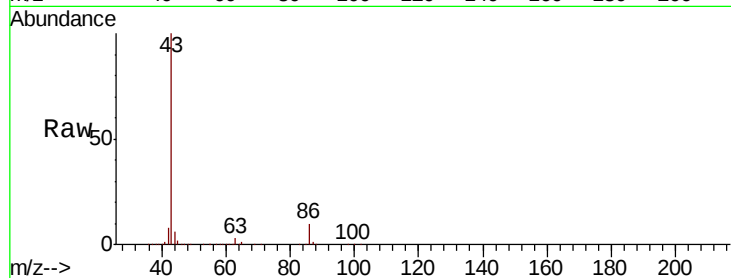
86 10.1 7.8 11.8

Manual Integrations

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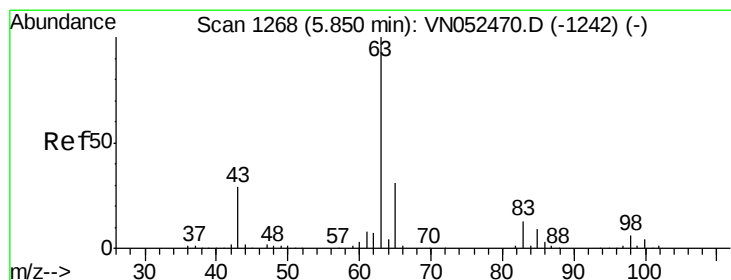
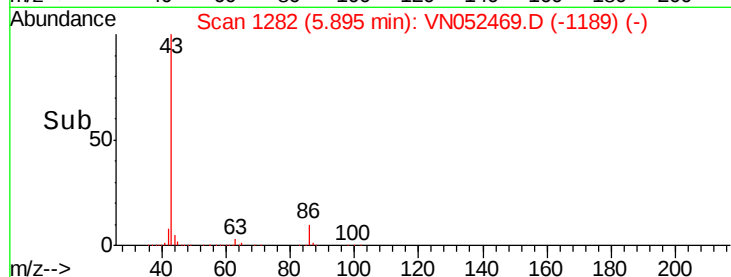
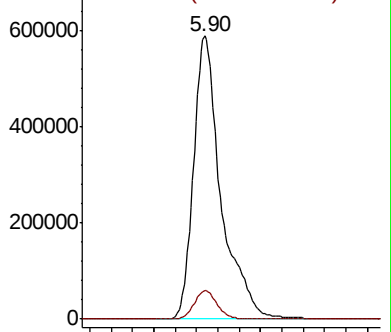
MMDadoda

11/28/2018 9:33:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.867 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

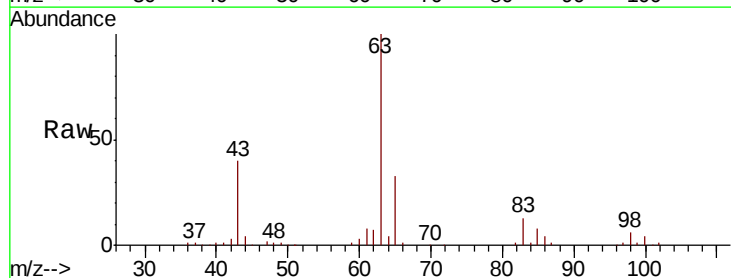
Tgt Ion: 63 Resp: 390382

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

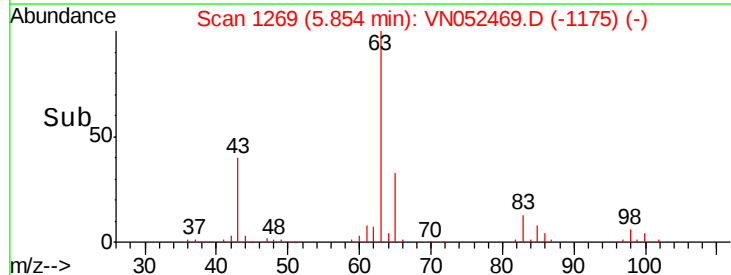
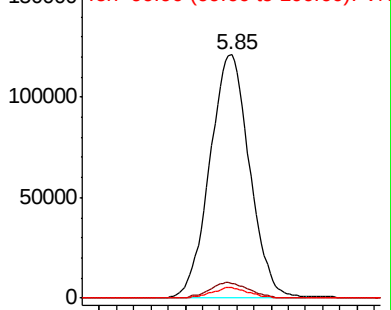
100 4.3 2.0 5.8

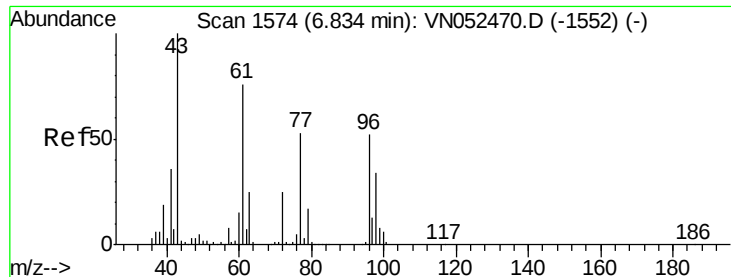


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 98.537 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 407047

Ion Ratio Lower Upper

43 100

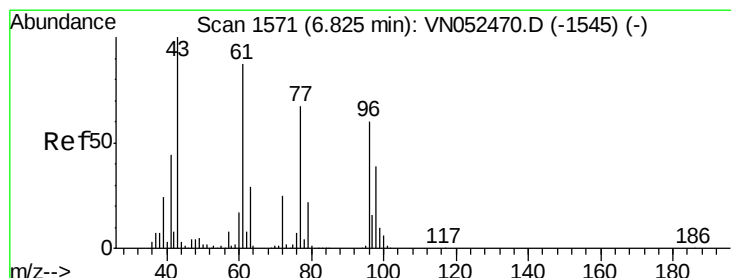
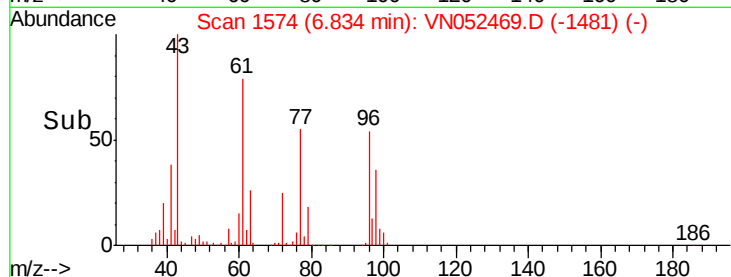
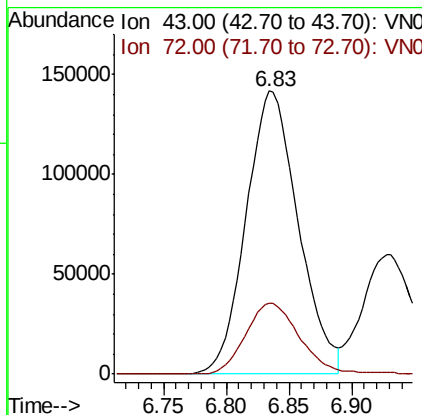
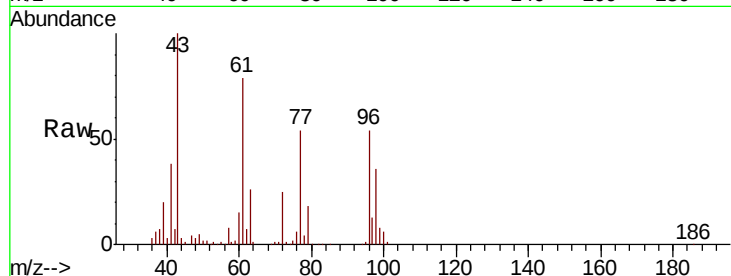
72 25.2 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.411 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052469.D

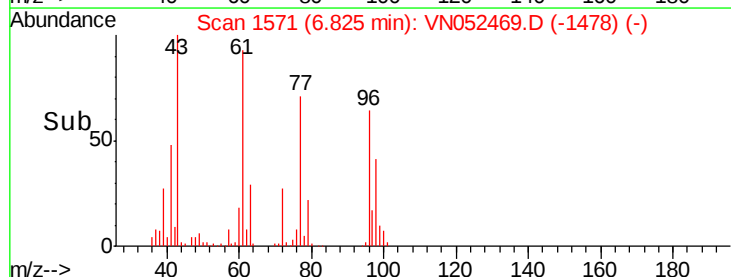
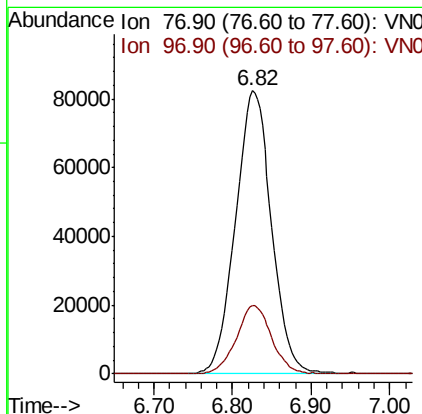
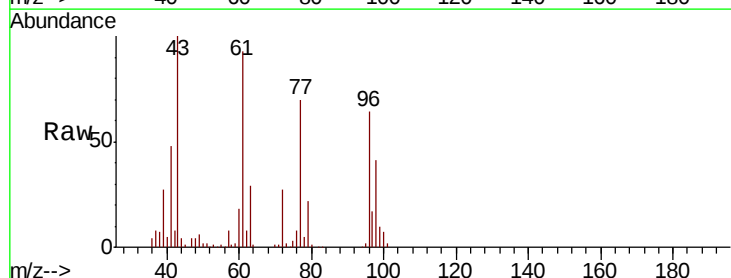
Acq: 27 Nov 2018 10:05

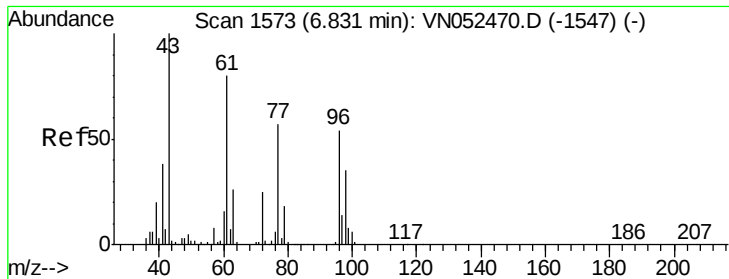
Tgt Ion: 77 Resp: 264013

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.408 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

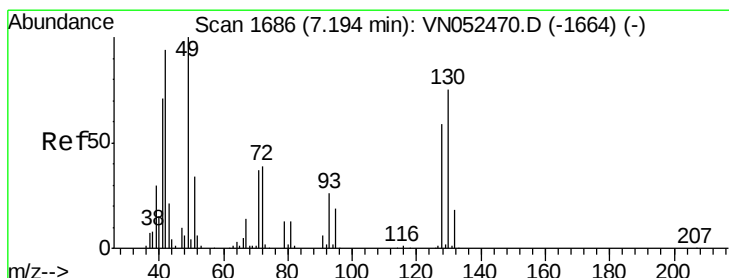
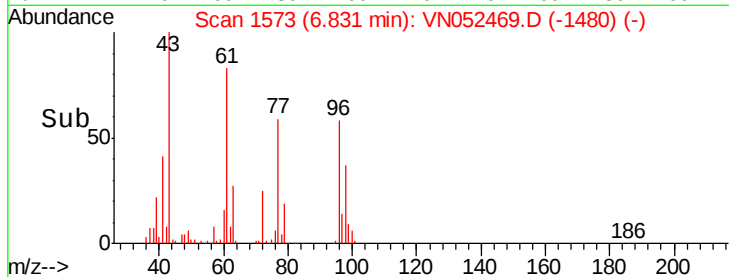
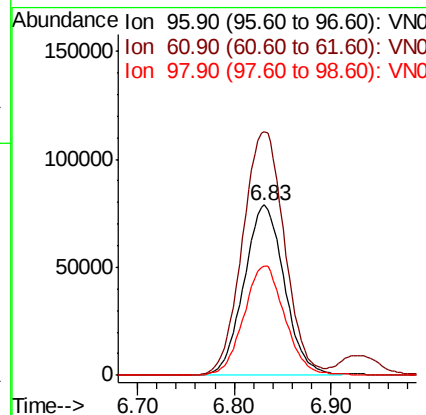
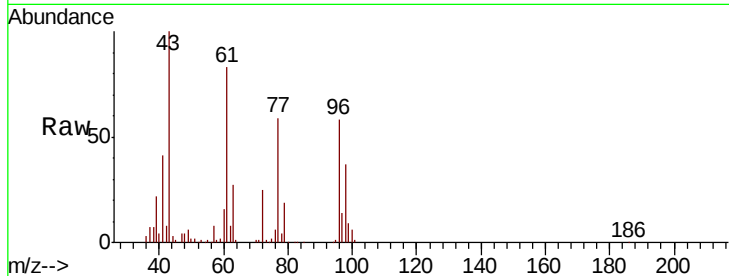
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	229529
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	291.0
98	65.5	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 19.891 ug/l

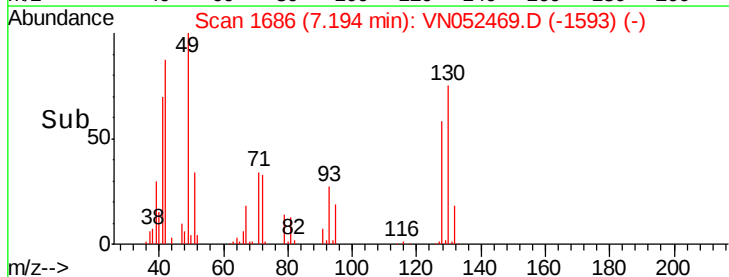
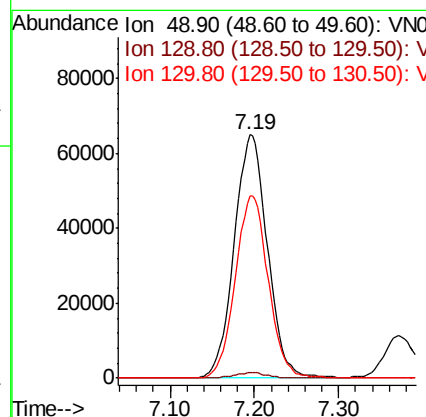
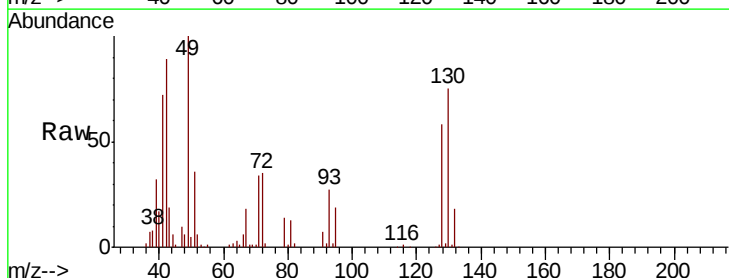
RT: 7.19 min Scan# 1686

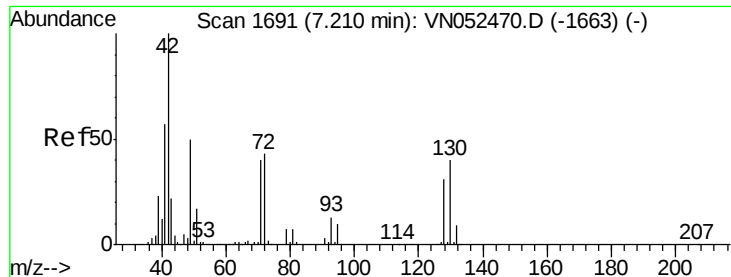
Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion:	49	Resp:	178522
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	74.2	60.2	90.2





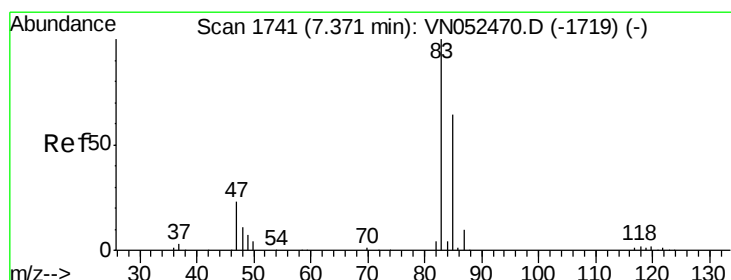
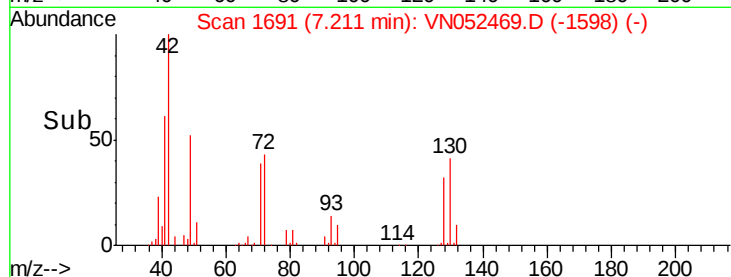
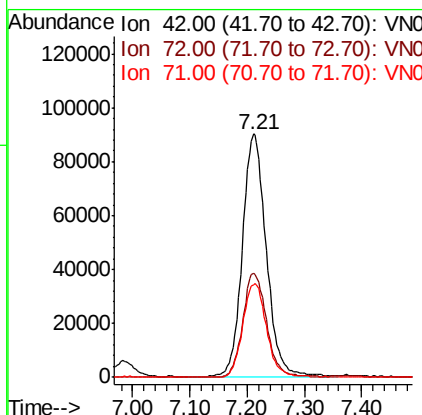
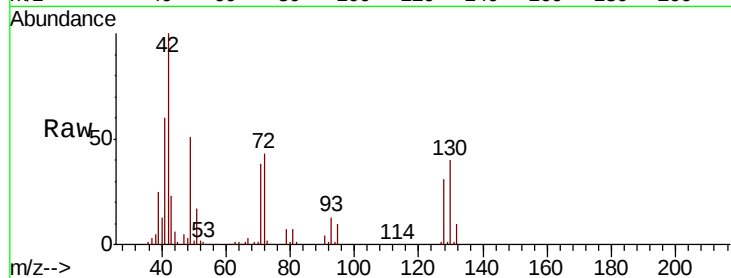
#29
Tetrahydrofuran
Concen: 99.381 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.3	49.9
71	38.0	32.0	48.0

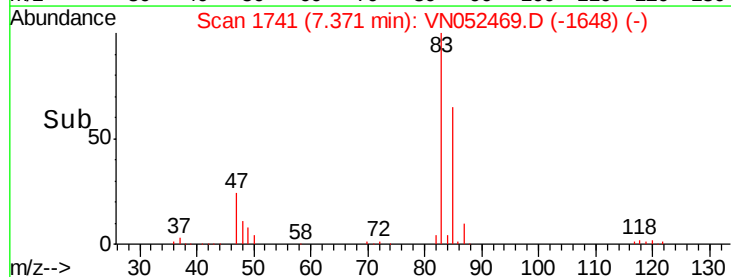
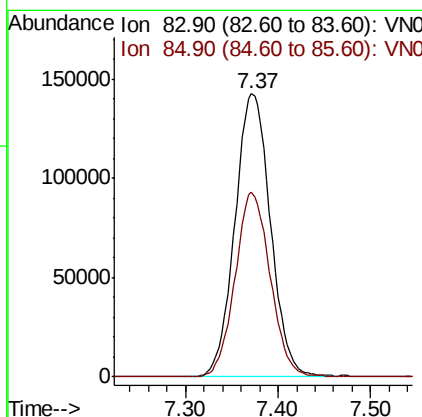
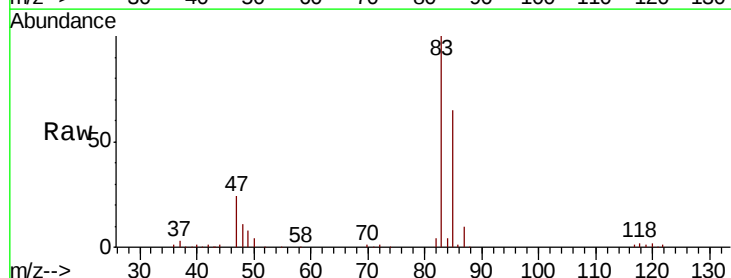
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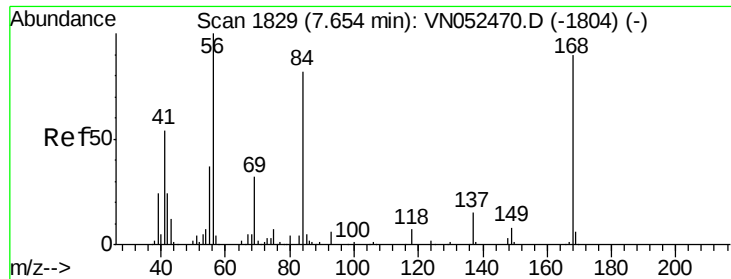
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#30
Chloroform
Concen: 19.359 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





#31

Cyclohexane

Concen: 17.274 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

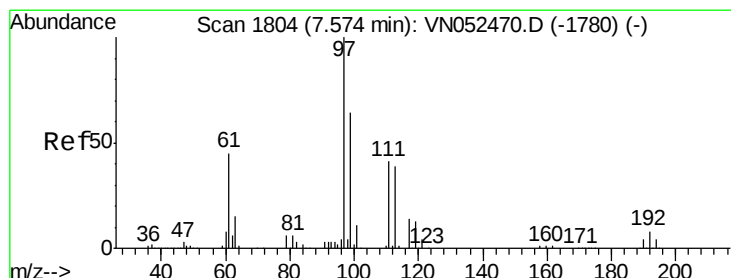
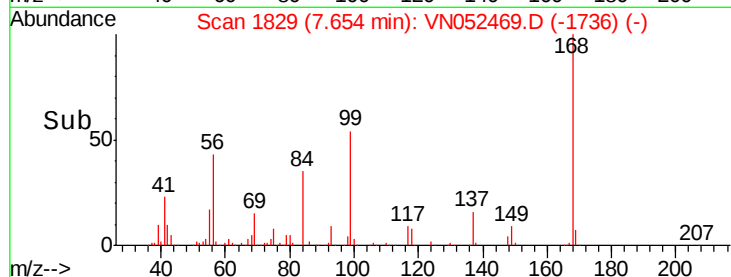
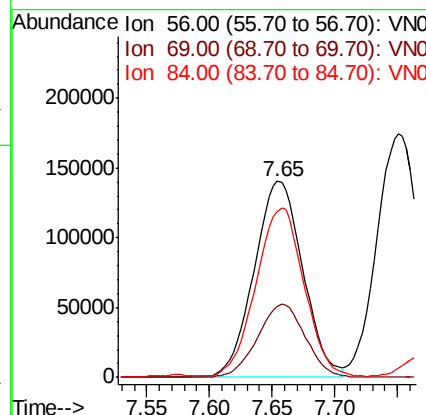
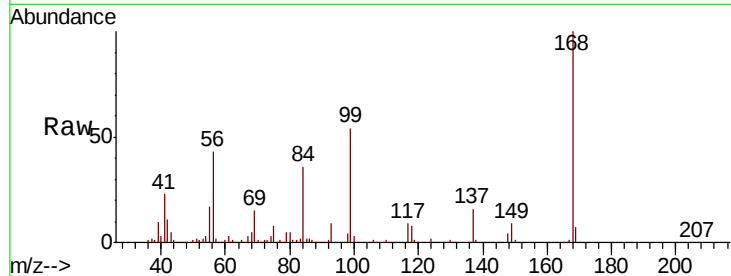
ClientSampleId :

VSTDIC020

Tgt Ion:	56	Resp:	379749
Ion Ratio	Lower	Upper	
56	100		
69	36.1	25.8	38.6
84	83.7	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 19.628 ug/l

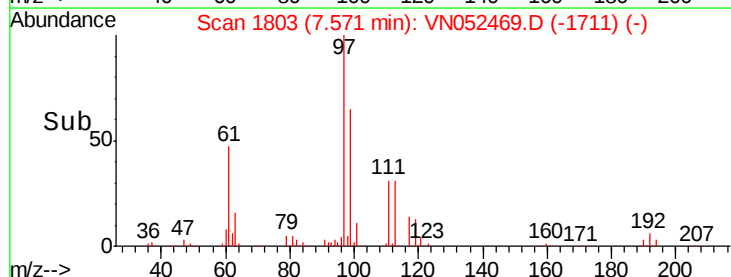
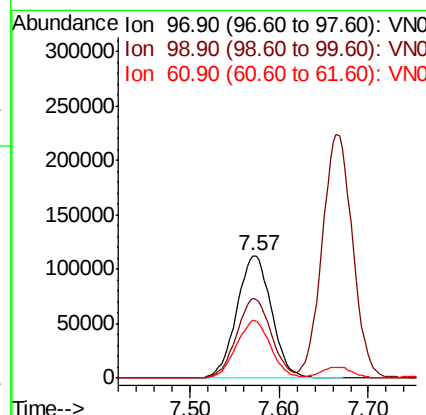
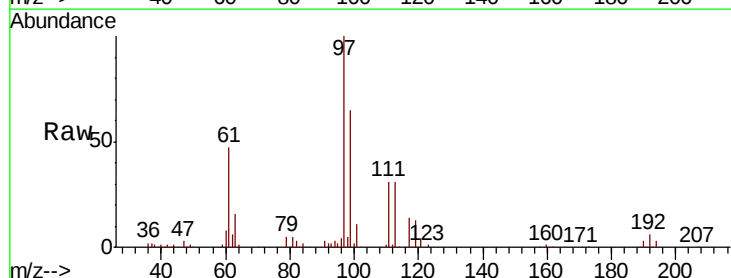
RT: 7.57 min Scan# 1803

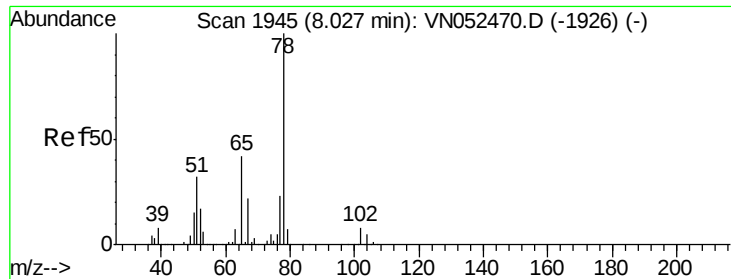
Delta R.T. -0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion:	97	Resp:	304874
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.7	77.5
61	46.5	36.8	55.2





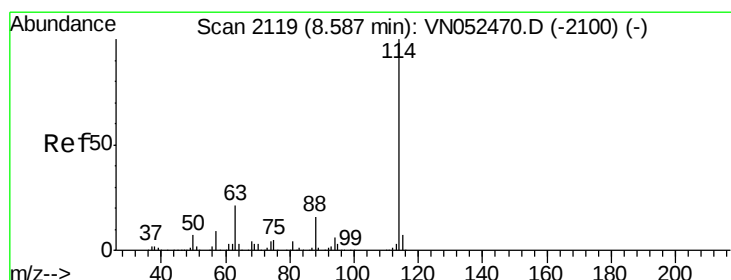
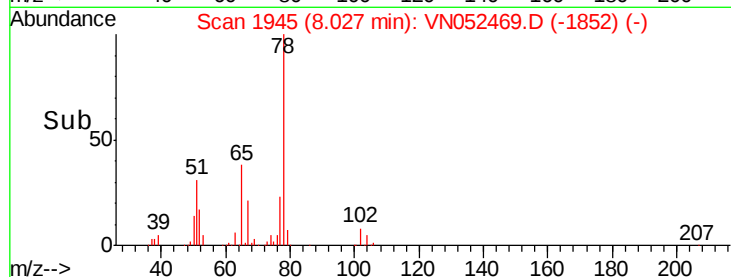
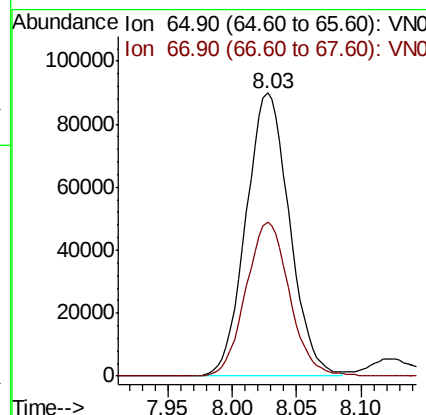
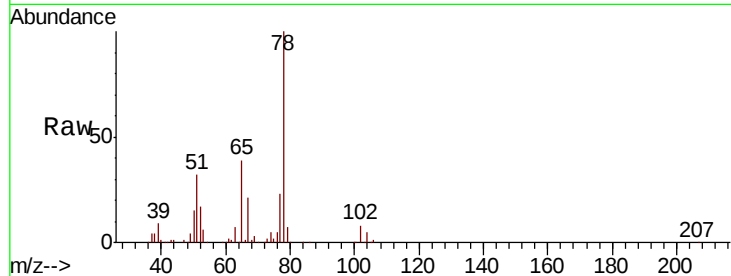
#33
 1,2-Dichloroethane-d4
 Concen: 19.628 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 65 Resp: 211680
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8

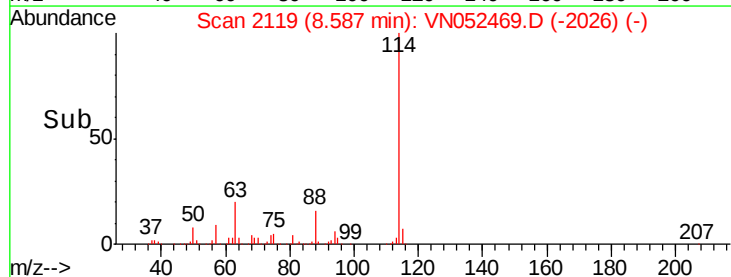
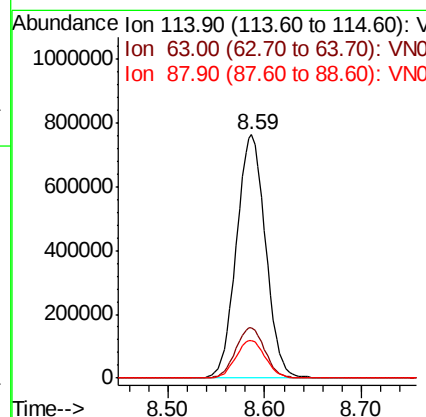
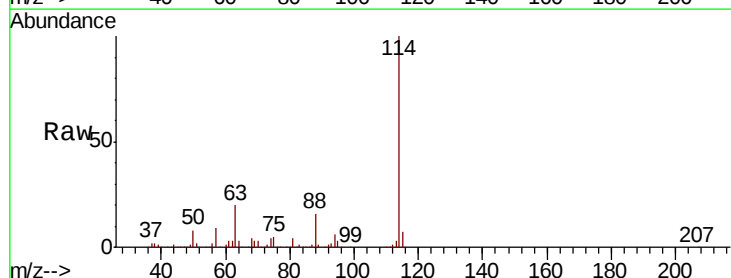
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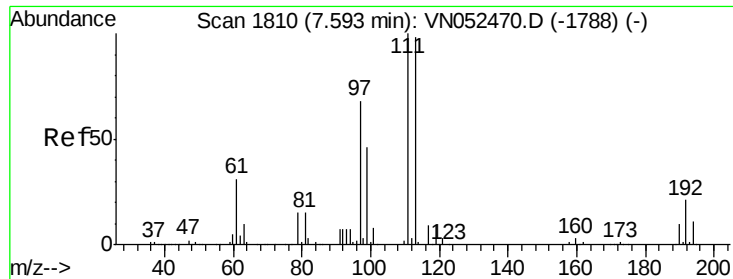
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 11/28/2018 9:33:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 114 Resp: 1592376
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.5 0.0 31.6





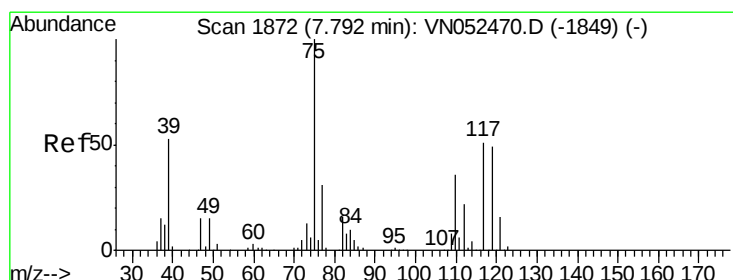
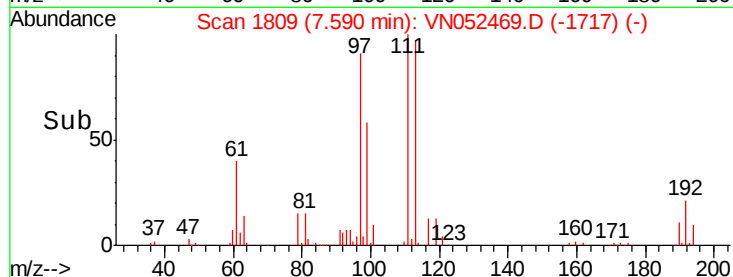
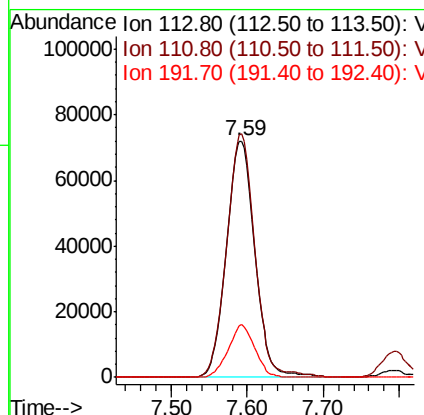
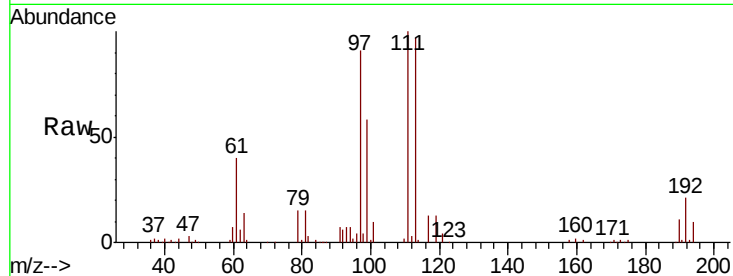
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	187862		
111	100.6	82.0	123.0	
192	20.7	17.0	25.6	

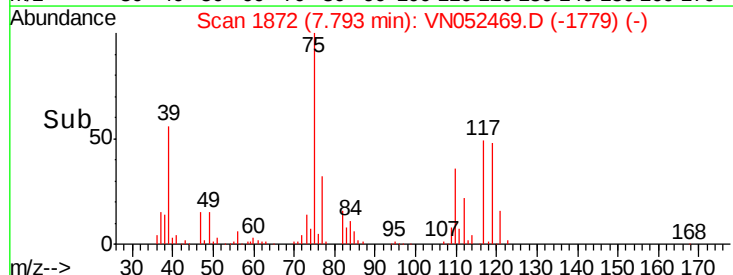
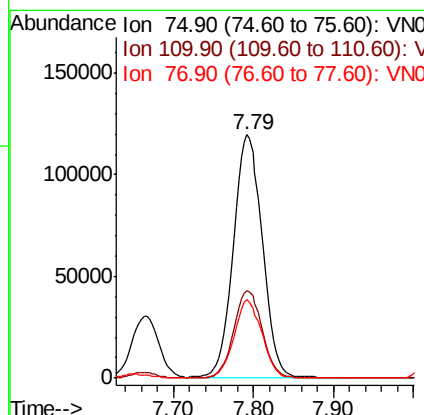
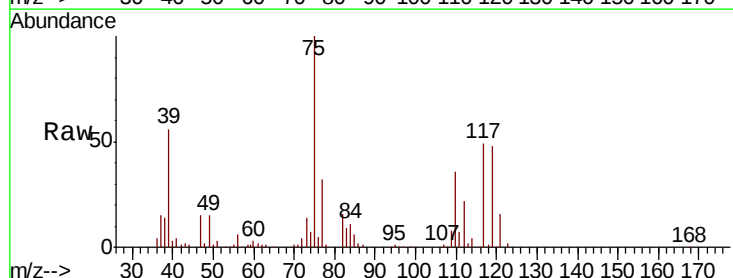
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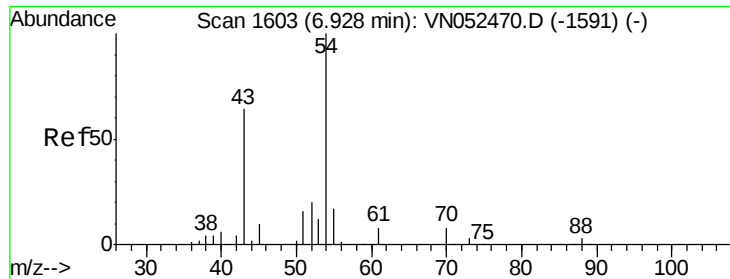
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#36
 1,1-Dichloropropene
 Concen: 19.476 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	292858		
110	35.2	17.5	52.6	
77	31.1	24.5	36.7	





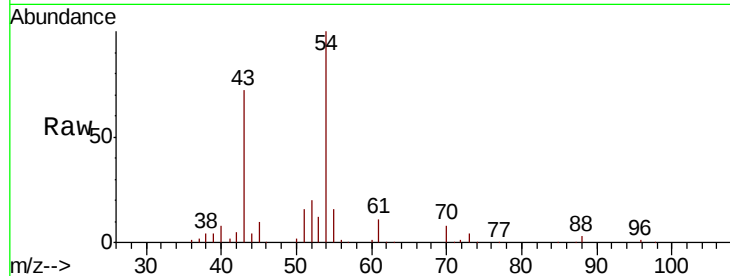
#37
 Ethyl Acetate
 Concen: 19.281 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

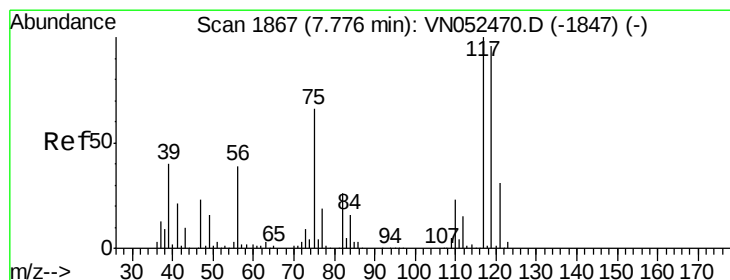
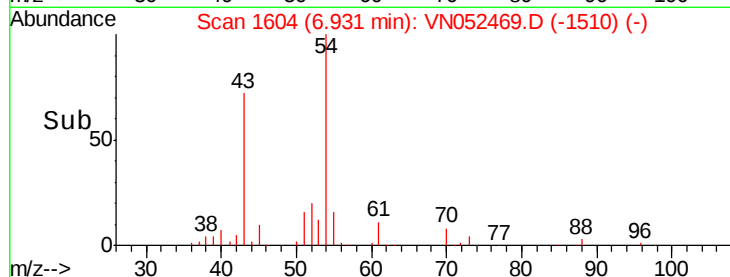
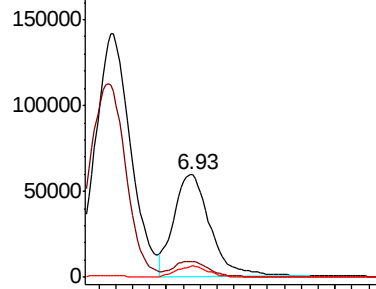
Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	10.1	7.8	11.8

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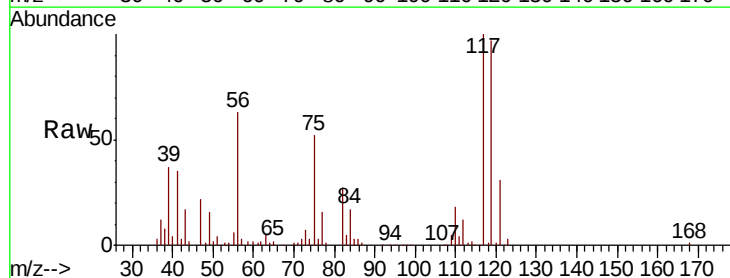


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1591) (-)
 Ion 60.90 (60.60 to 61.60): VN052470.D (-1591) (-)
 Ion 70.00 (69.70 to 70.70): VN052470.D (-1591) (-)

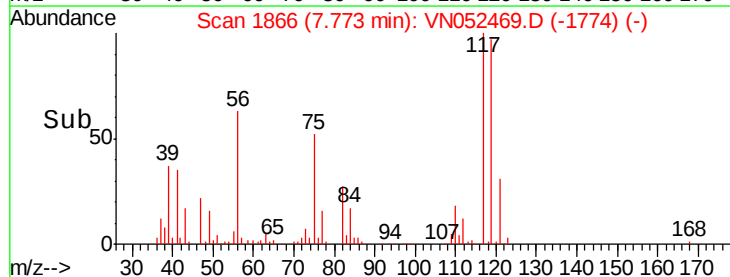
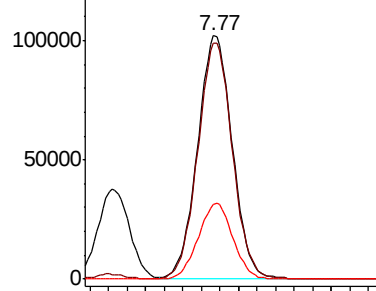


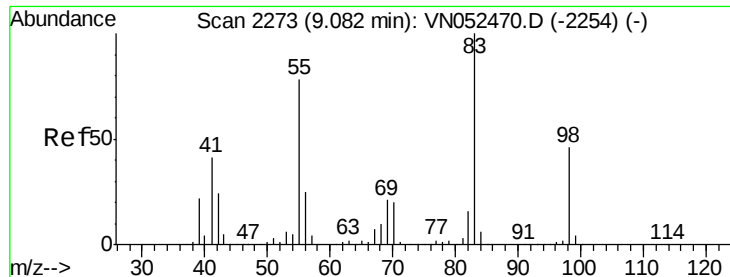
#38
 Carbon Tetrachloride
 Concen: 19.390 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.8	115.2
121	30.8	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-1847) (-)
 Ion 118.80 (118.50 to 119.50): VN052470.D (-1847) (-)
 Ion 120.80 (120.50 to 121.50): VN052470.D (-1847) (-)





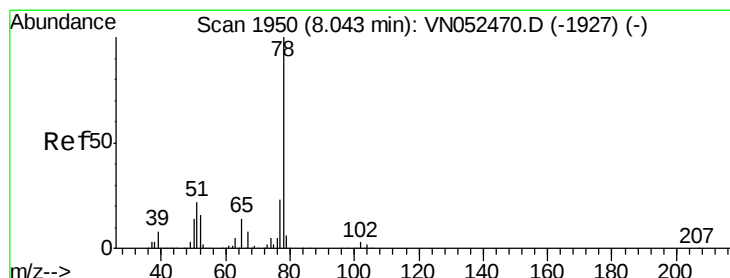
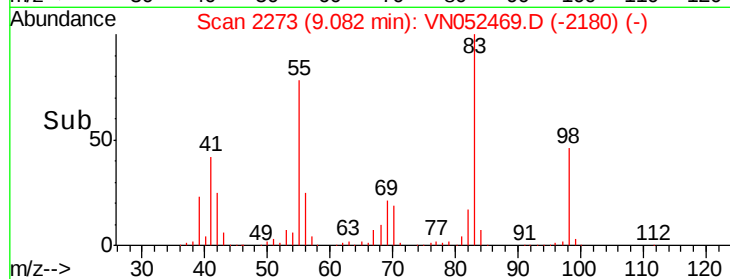
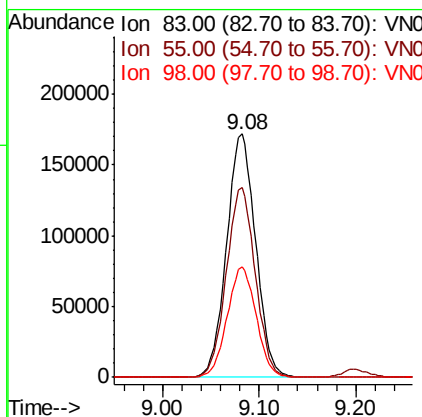
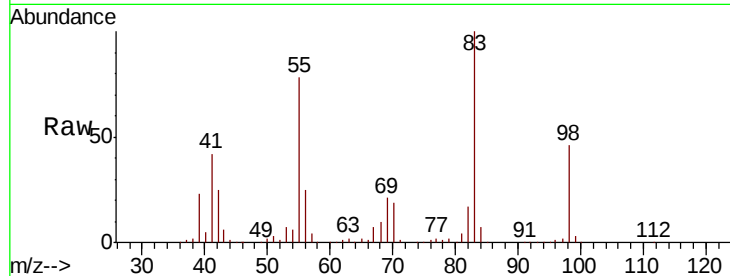
#39
Methylcyclohexane
Concen: 19.647 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.2	93.2
98	45.6	36.4	54.6

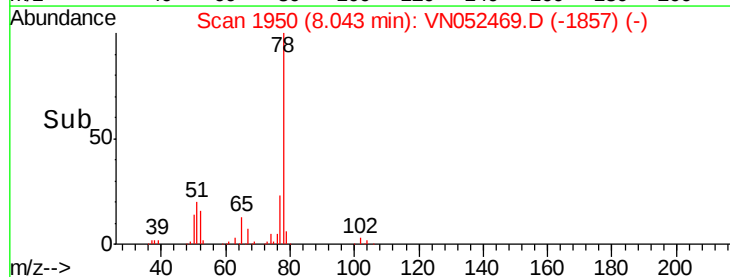
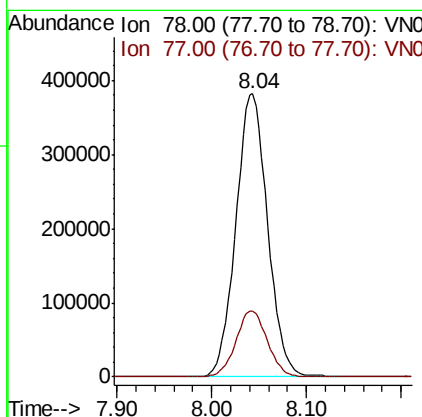
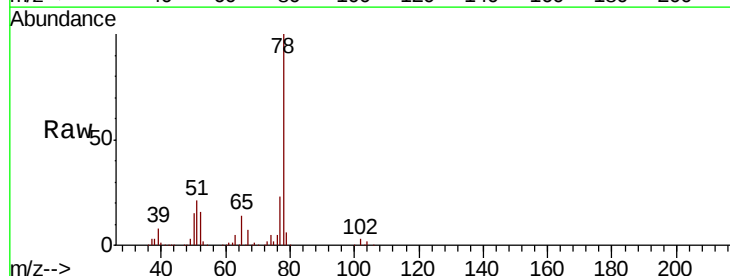
Manual Integrations
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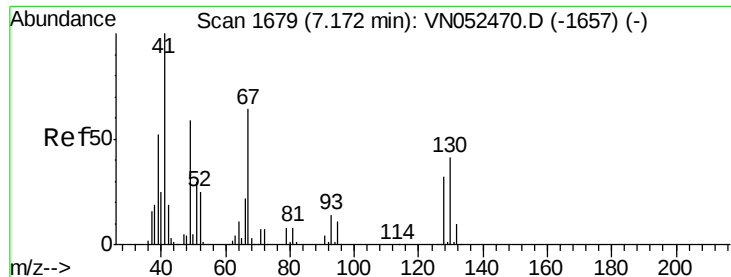
MMDadoda
11/28/2018 9:33:28 AM



#40
Benzene
Concen: 19.878 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41

Methacrylonitrile

Concen: 18.945 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

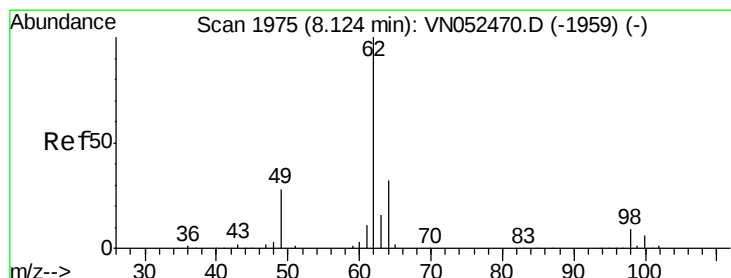
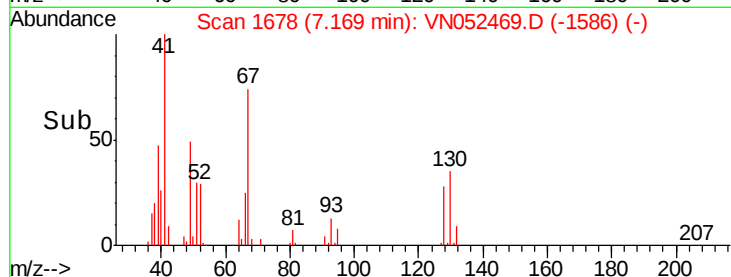
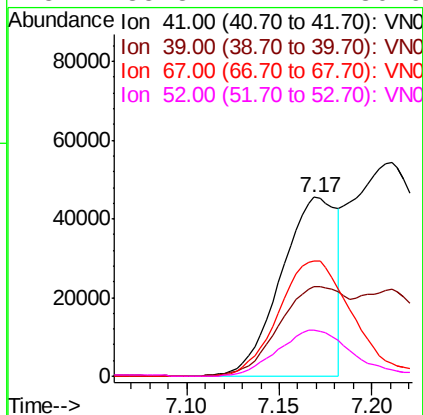
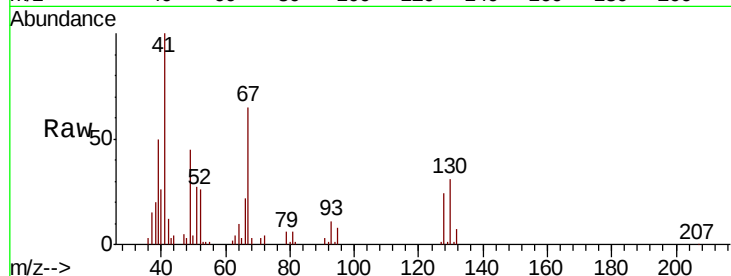
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.1	50.9	76.3
67	86.7	63.6	95.4
52	35.8	24.4	36.6

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#42

1,2-Dichloroethane

Concen: 19.983 ug/l

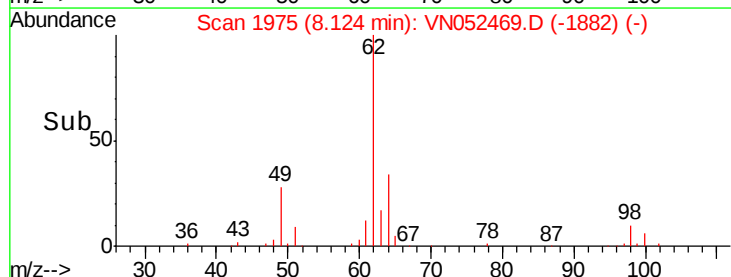
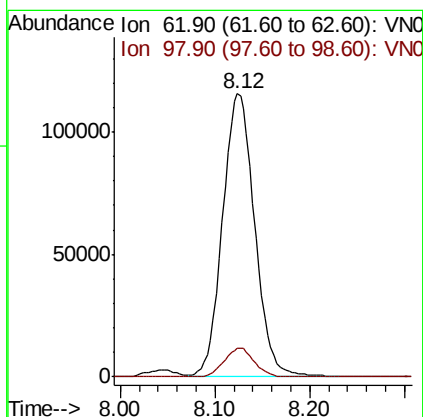
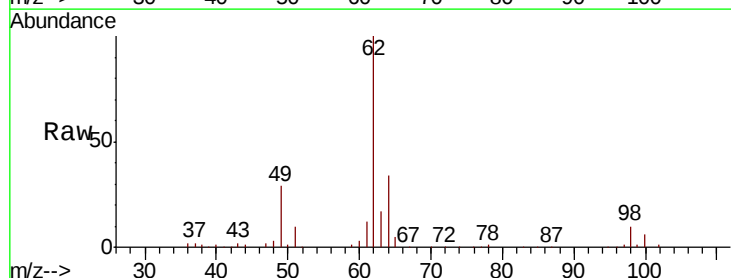
RT: 8.12 min Scan# 1975

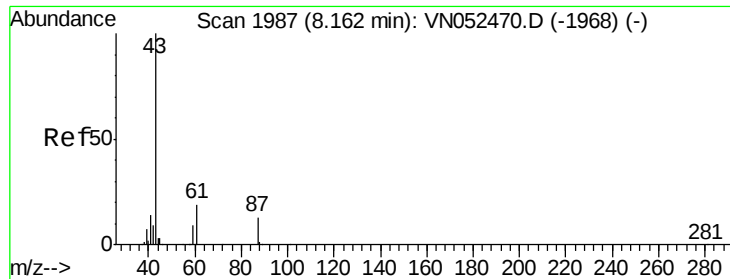
Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.251 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

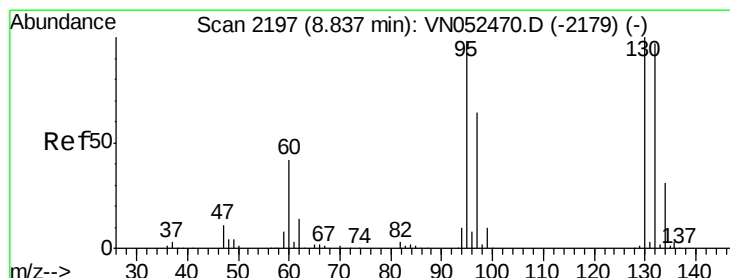
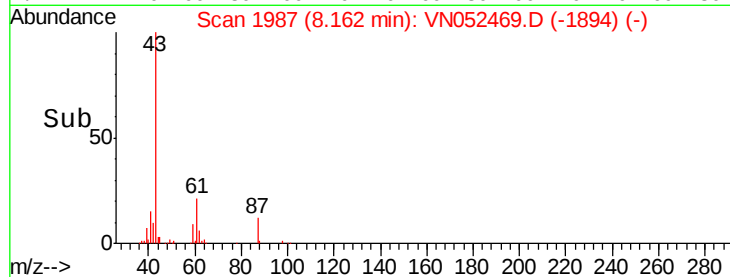
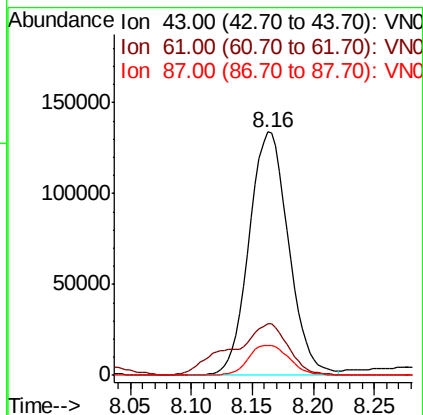
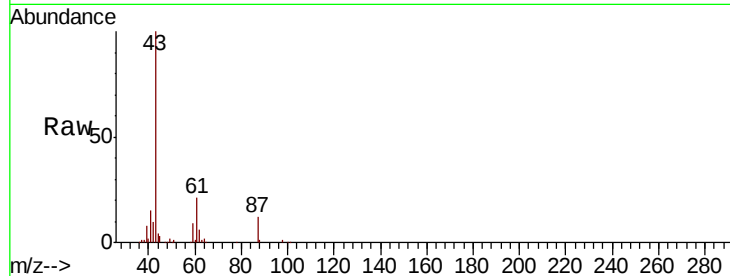
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	298975
Ion Ratio	Lower	Upper	
43	100		
61	30.3	24.1	36.1
87	12.8	10.6	15.8

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#44

Trichloroethene

Concen: 19.667 ug/l

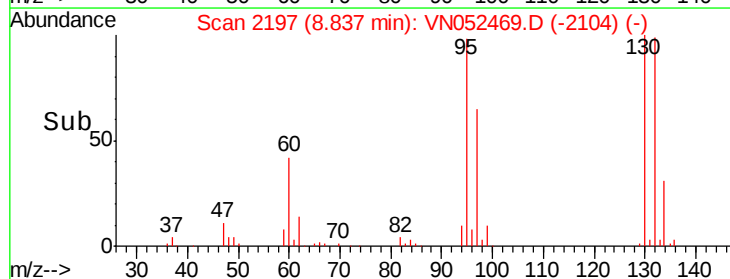
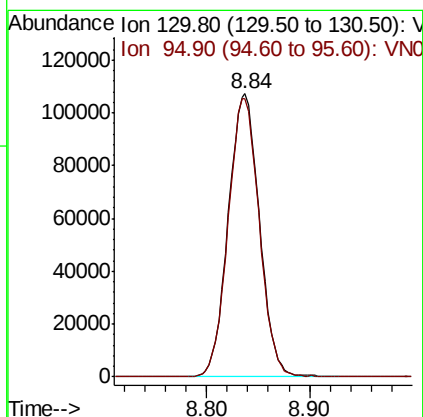
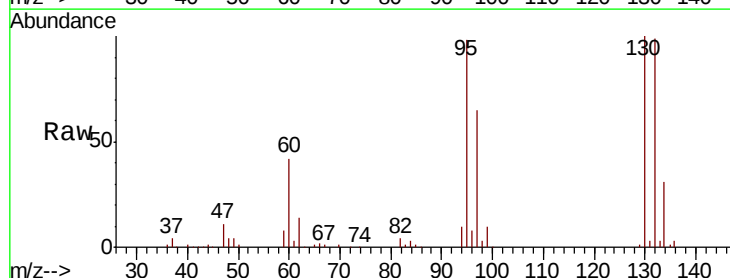
RT: 8.84 min Scan# 2197

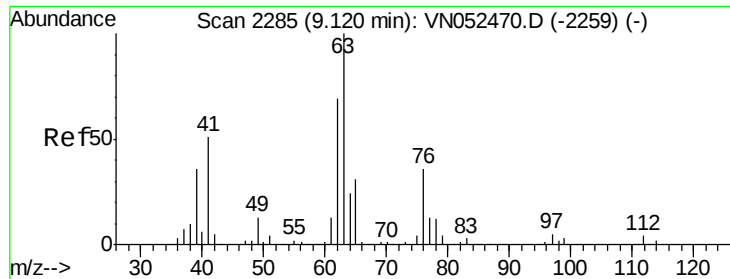
Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion:	130	Resp:	225757
Ion Ratio	Lower	Upper	
130	100		
95	98.2	0.0	195.6





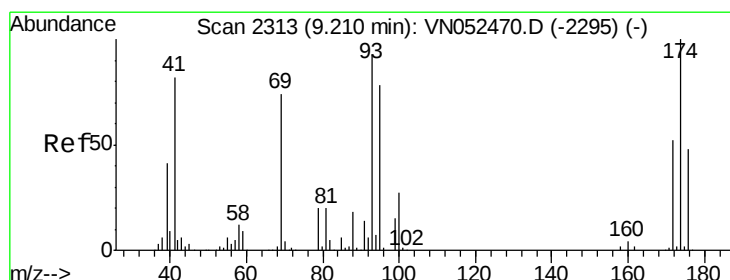
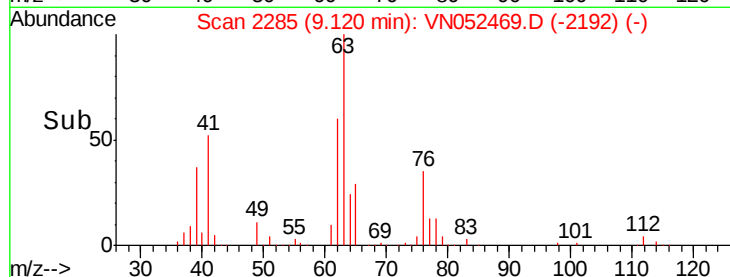
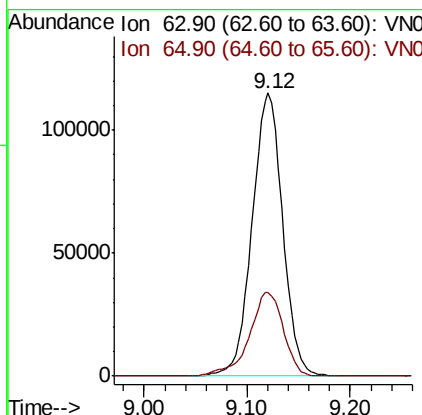
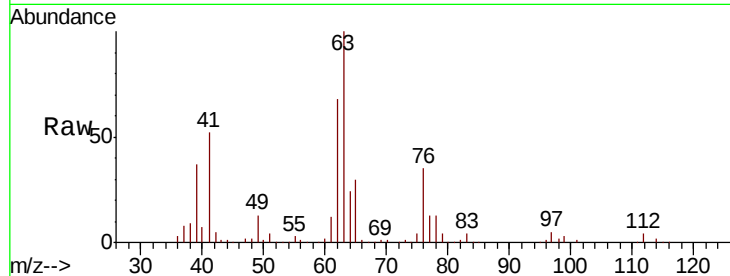
#45
 1,2-Dichloropropane
 Concen: 19.819 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 236126
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.0 37.6

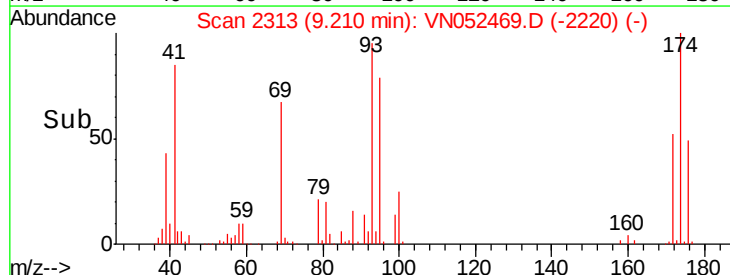
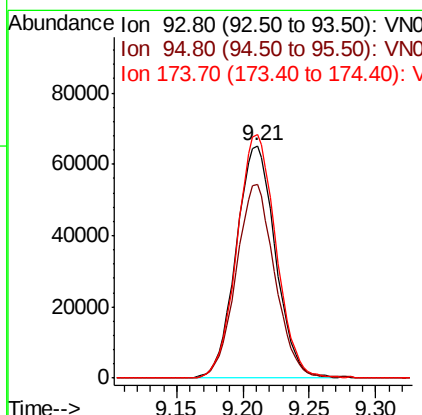
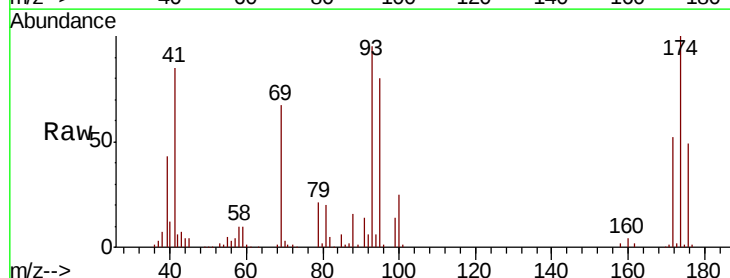
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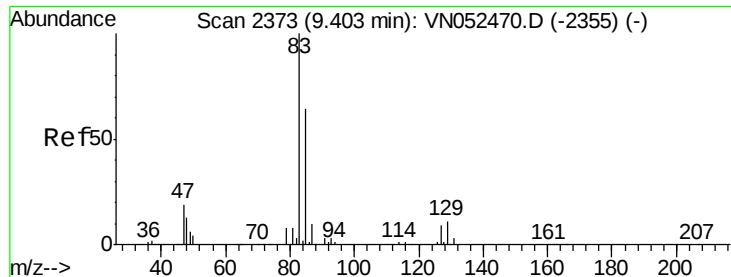
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#46
 Dibromomethane
 Concen: 20.337 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 93 Resp: 134135
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.1 100.7
 174 104.5 85.8 128.8





#47

Bromodichloromethane

Concen: 19.627 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

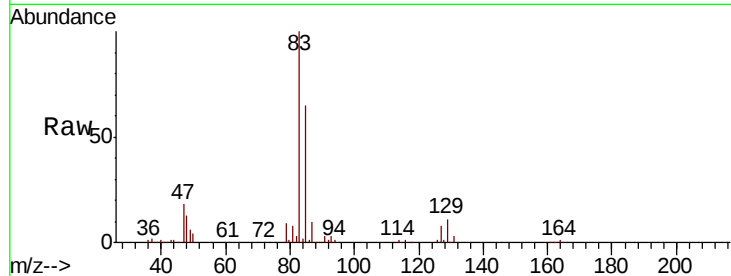
ClientSampleId :

VSTDIC020

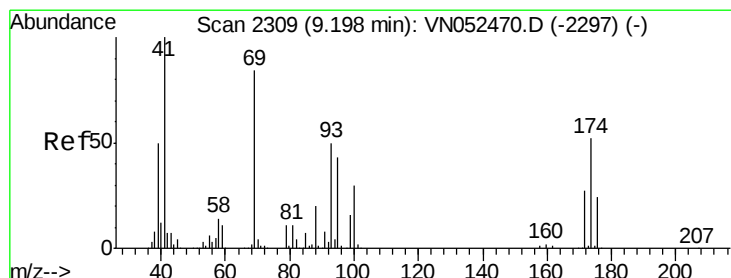
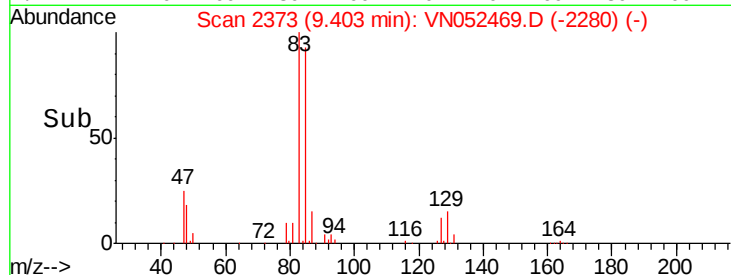
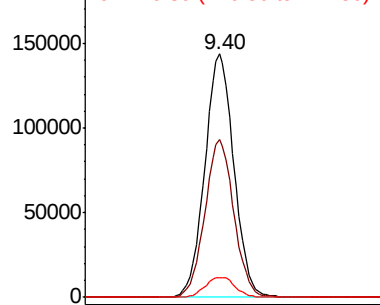
Tgt Ion:	83	Resp:	281453
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.3	76.9
127	8.2	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-2355) (-)



#48

Methyl methacrylate

Concen: 19.072 ug/l

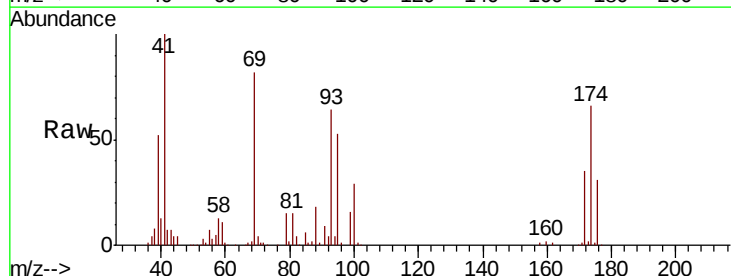
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

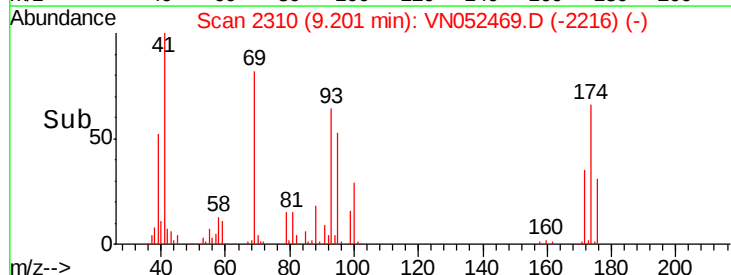
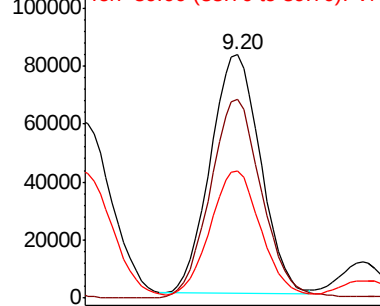
Lab File: VN052469.D

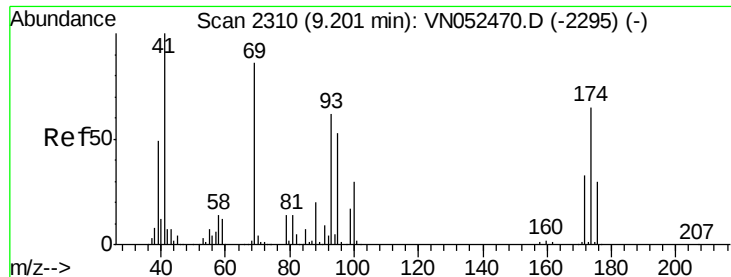
Acq: 27 Nov 2018 10:05

Tgt Ion:	41	Resp:	154447
Ion Ratio	Lower	Upper	
41	100		
69	86.8	70.0	105.0
39	54.1	42.6	64.0



Abundance Ion 41.00 (40.70 to 41.70): VN052469.D (-2216) (-)





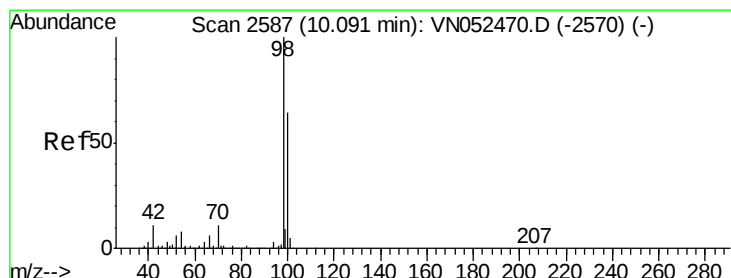
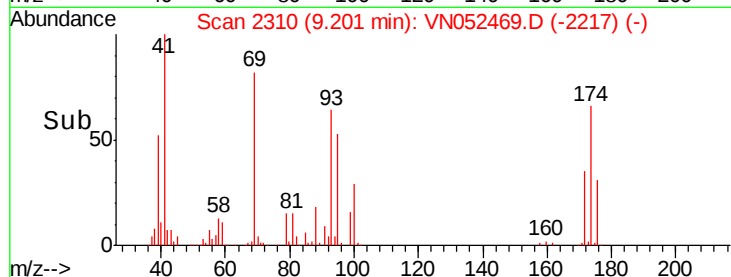
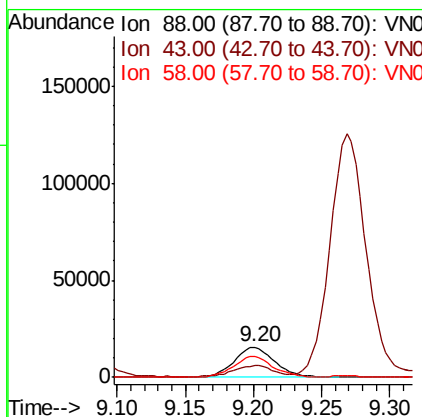
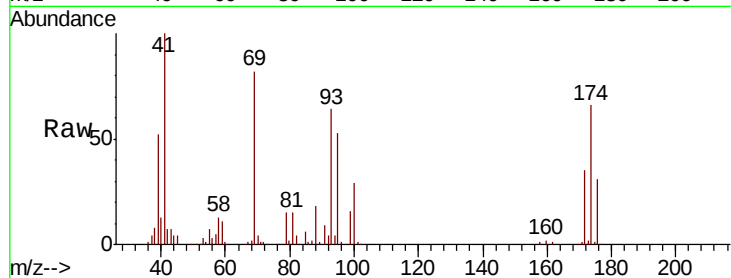
#49
1,4-Dioxane
Concen: 381.897 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	32096		
43	36.3	26.4	39.6	
58	68.0	55.4	83.0	

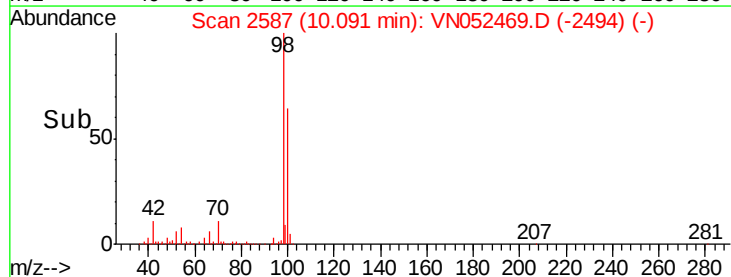
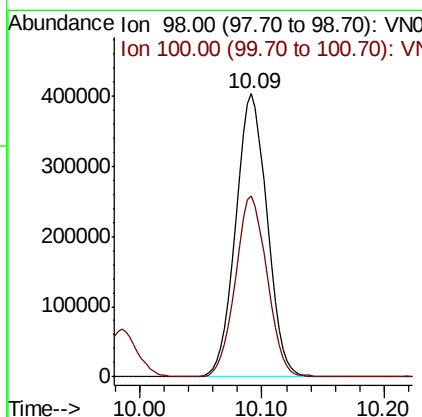
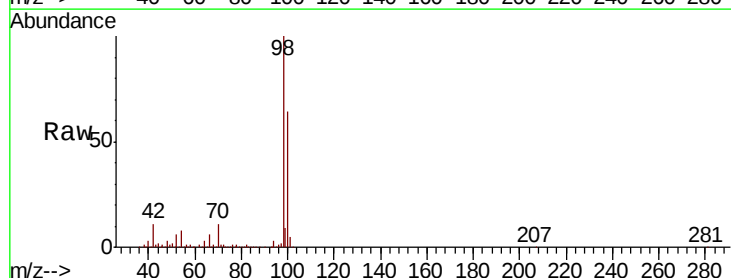
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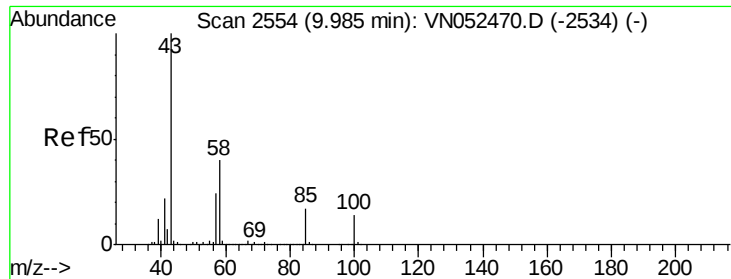
MMDadoda
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#50
Toluene-d8
Concen: 381.897 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	718206		
100	64.2	51.3	76.9	





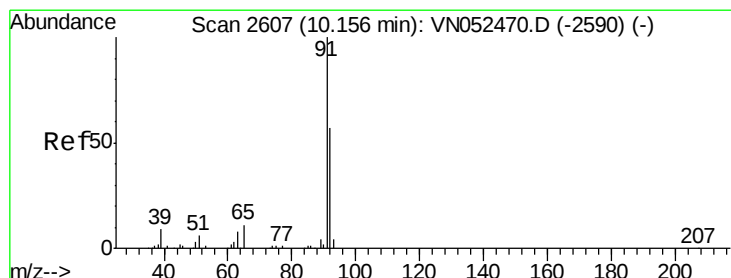
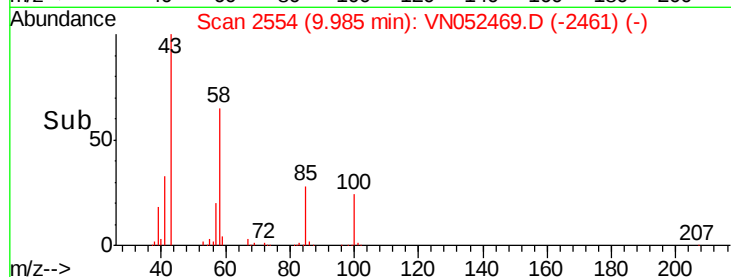
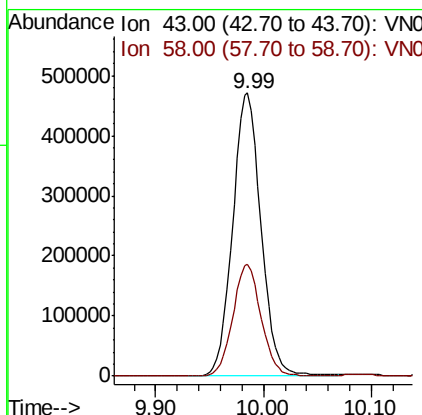
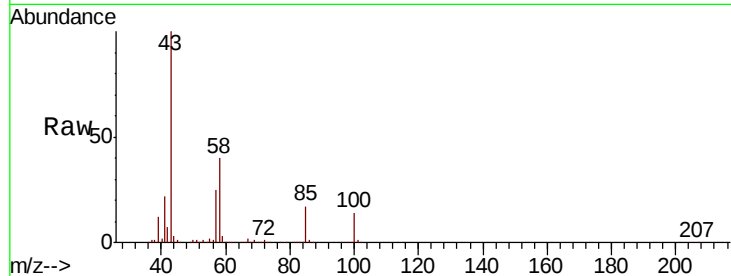
#51
 4-Methyl-2-Pentanone
 Concen: 98.891 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 861703
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.5 47.3

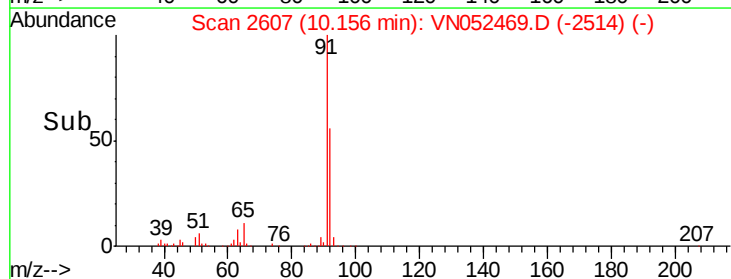
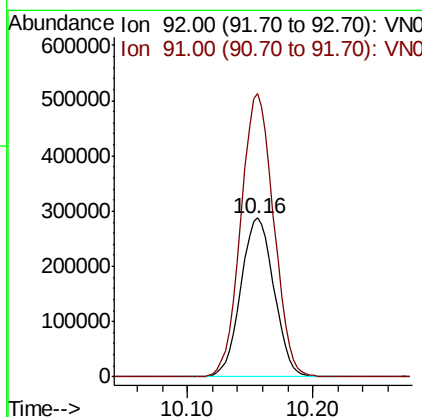
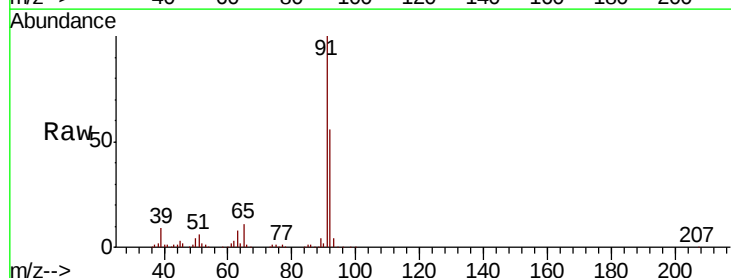
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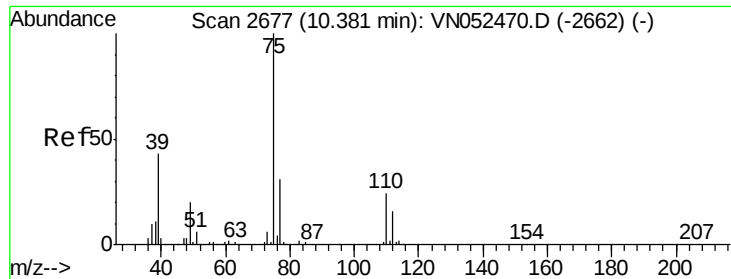
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#52
 Toluene
 Concen: 19.897 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 92 Resp: 529778
 Ion Ratio Lower Upper
 92 100
 91 176.7 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 19.124 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 263819

Ion Ratio Lower Upper

75 100

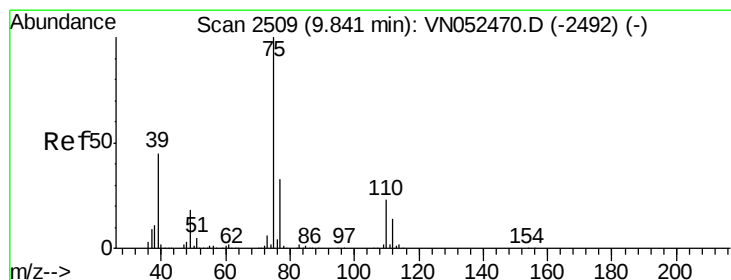
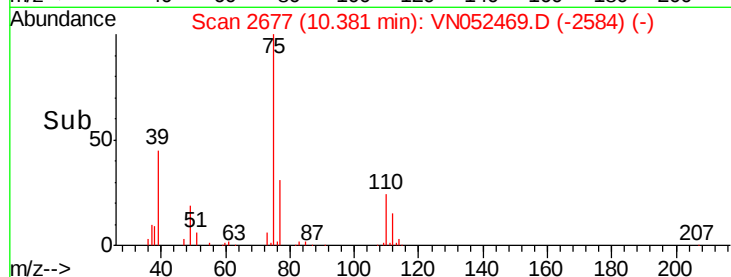
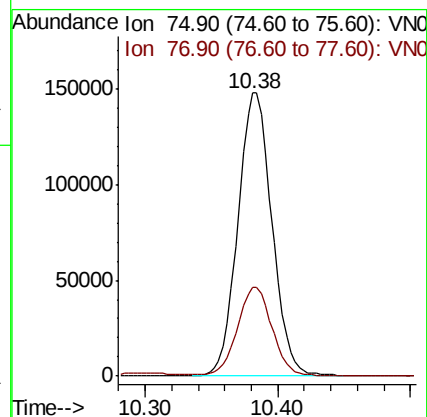
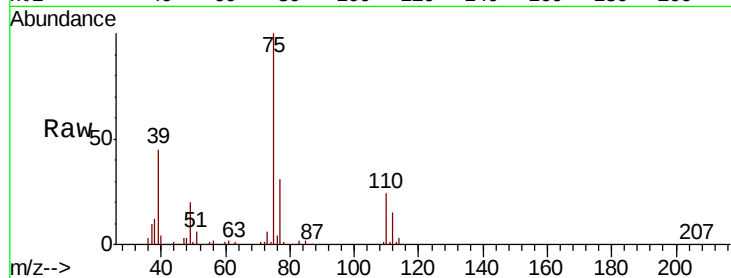
77 31.2 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.537 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

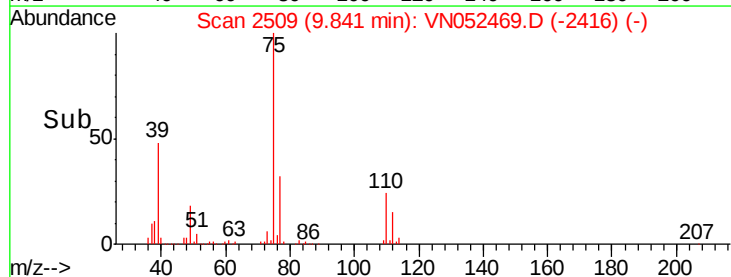
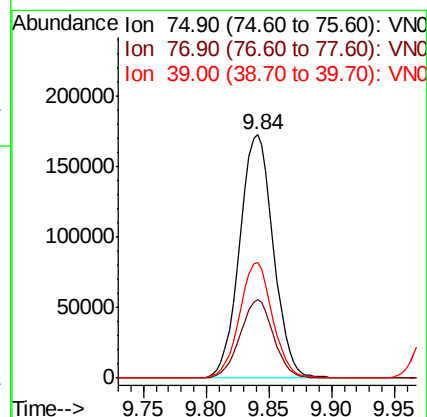
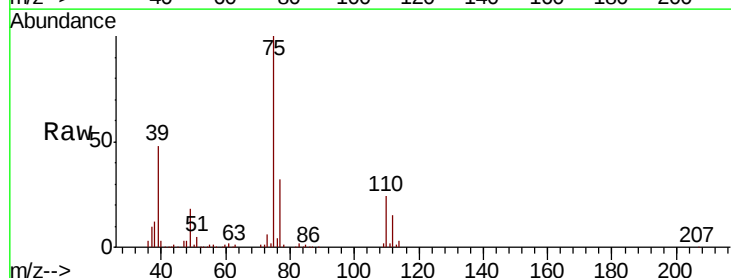
Tgt Ion: 75 Resp: 322987

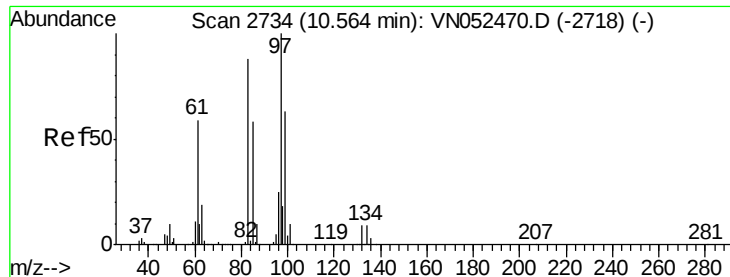
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

39 47.7 36.0 54.0





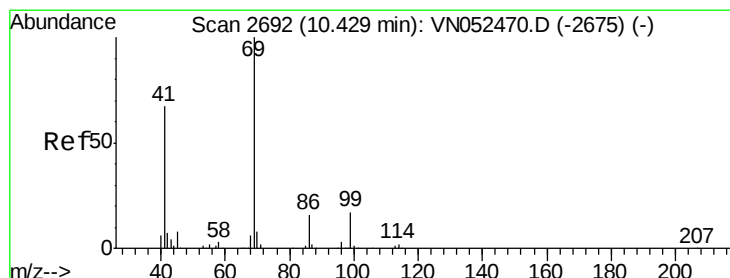
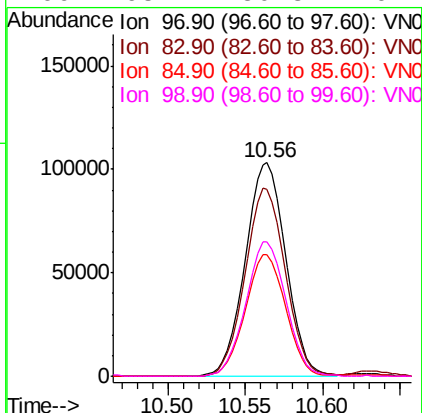
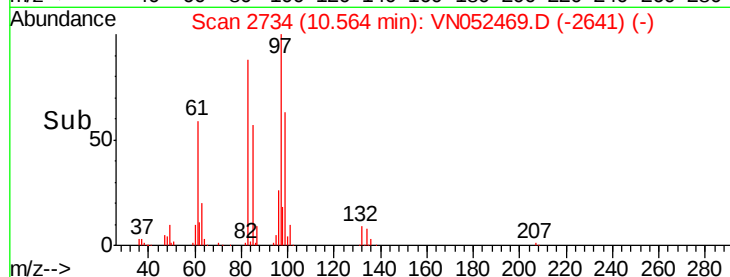
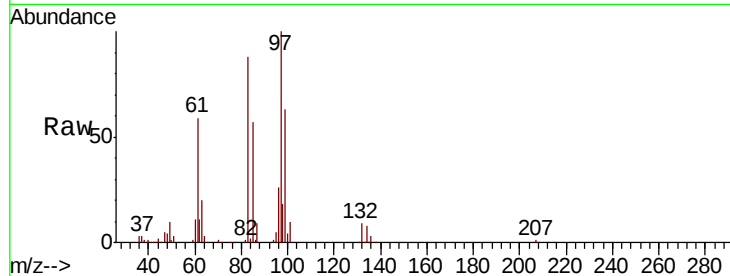
#55
 1,1,2-Trichloroethane
 Concen: 20.146 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.7	106.1
85	57.2	46.1	69.1
99	63.1	50.8	76.2

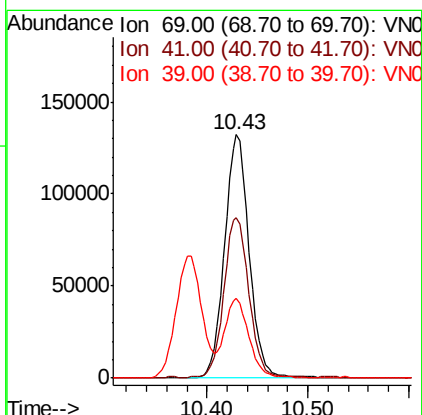
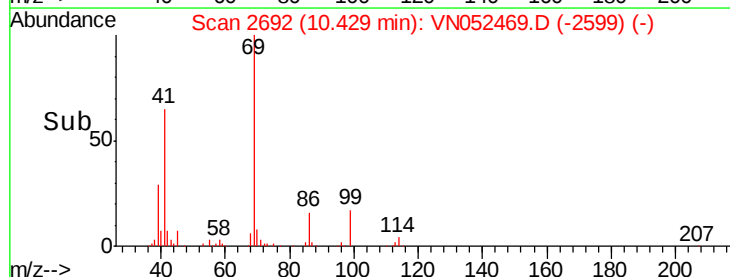
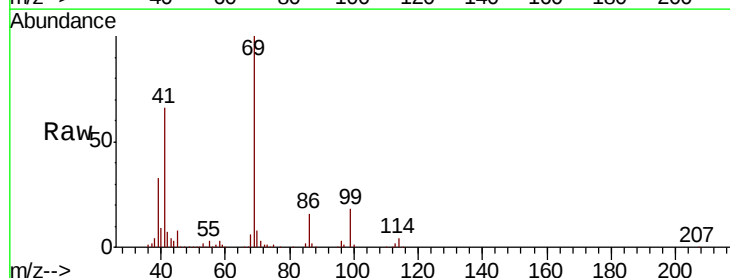
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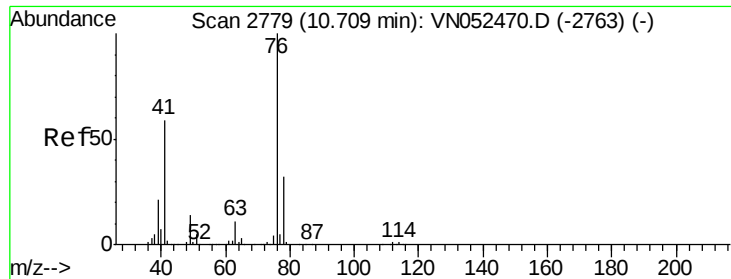
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#56
 Ethyl methacrylate
 Concen: 19.590 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.6	79.0
39	32.4	25.9	38.9





#57

1,3-Dichloropropane

Concen: 19.992 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 330617

Ion Ratio Lower Upper

76 100

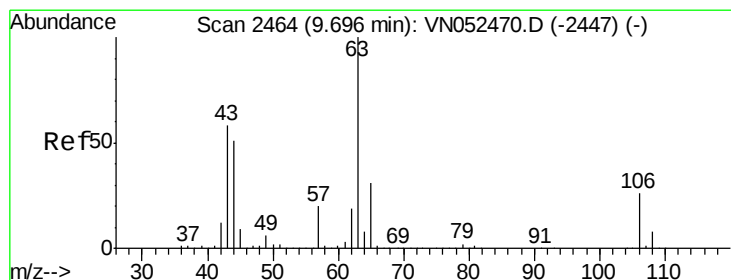
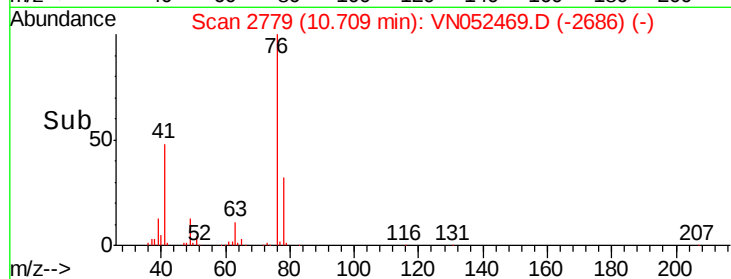
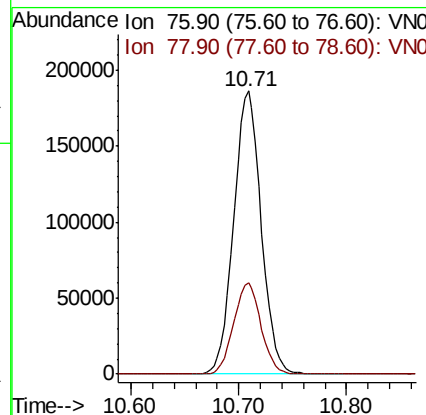
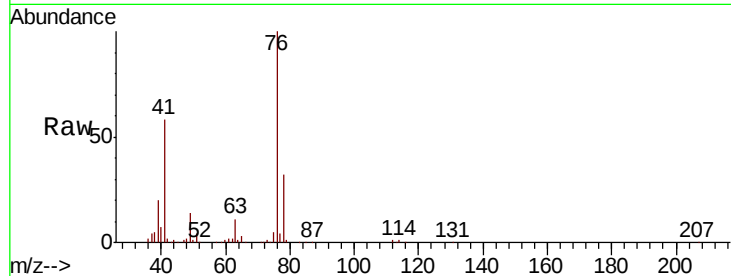
78 32.0 25.6 38.4

Manual Integrations

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11/28/2018 9:33:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.052 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052469.D

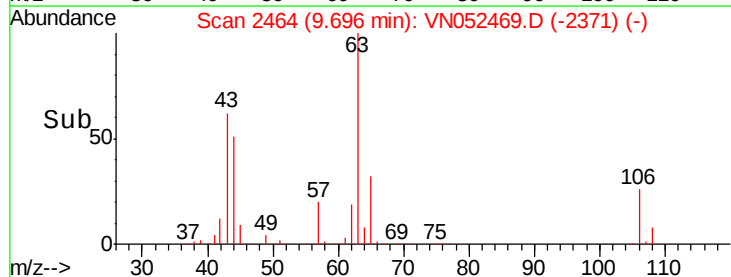
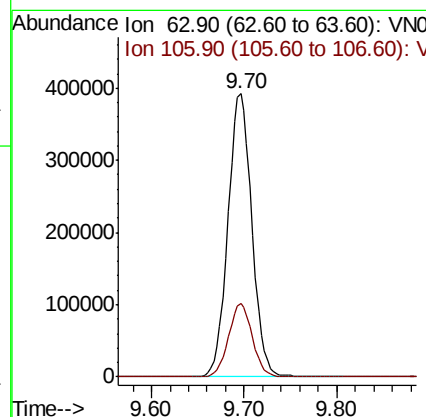
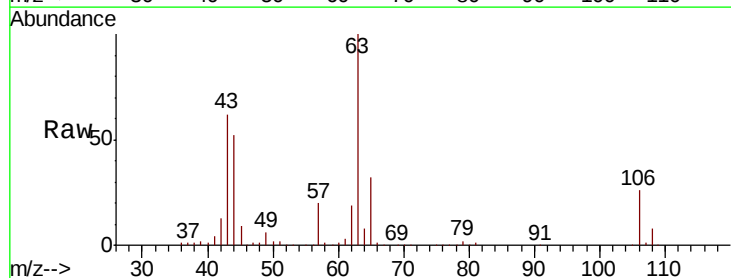
Acq: 27 Nov 2018 10:05

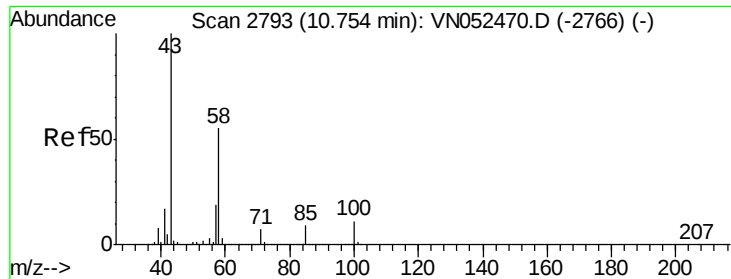
Tgt Ion: 63 Resp: 700343

Ion Ratio Lower Upper

63 100

106 25.8 20.6 30.8





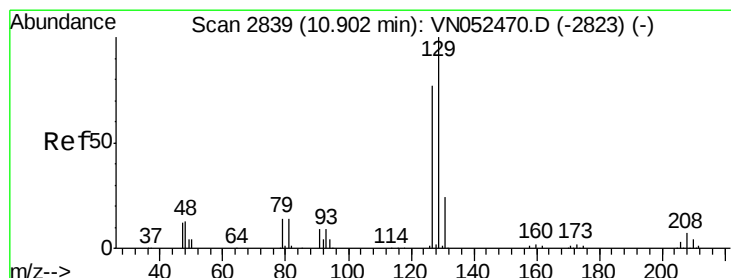
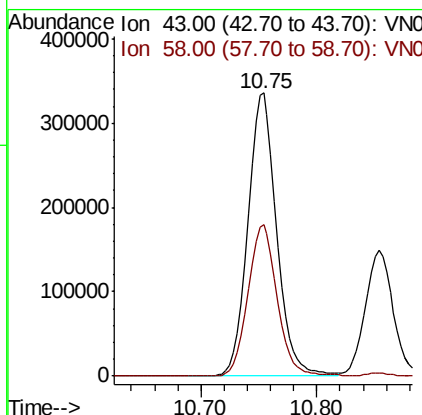
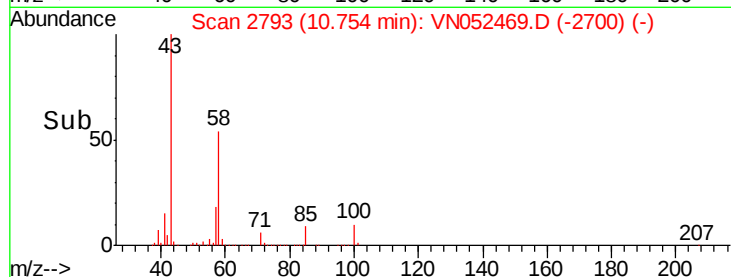
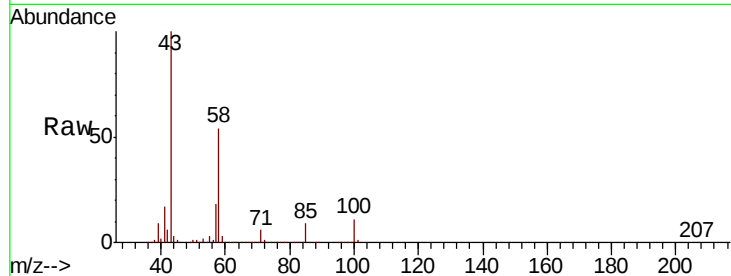
#59
2-Hexanone
Concen: 99.243 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 580394
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.0

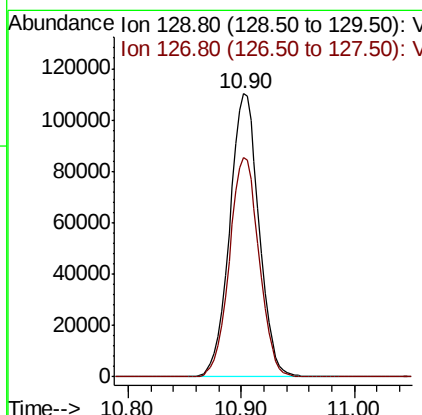
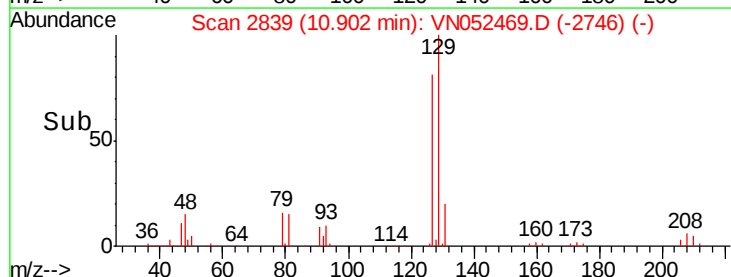
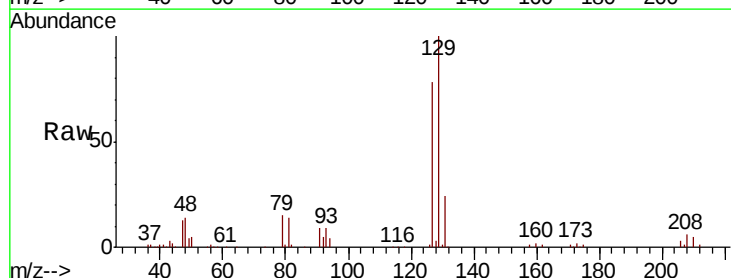
Manual Integrations
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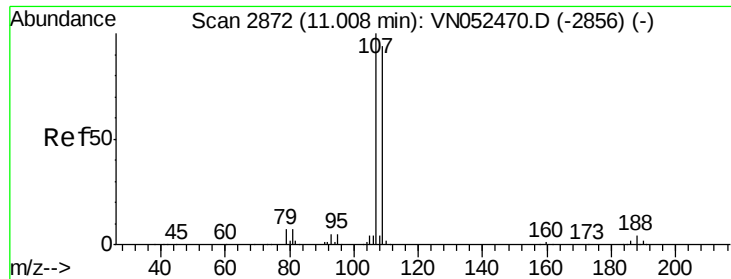
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#60
Dibromochloromethane
Concen: 19.478 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 129 Resp: 198131
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.6





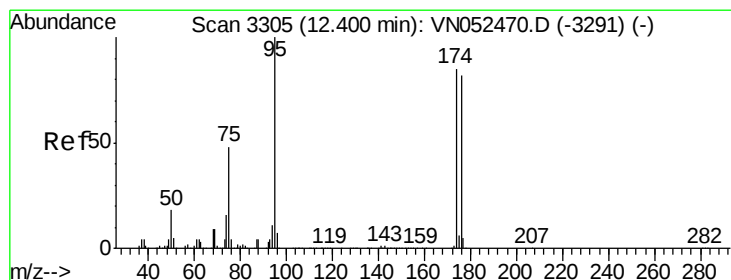
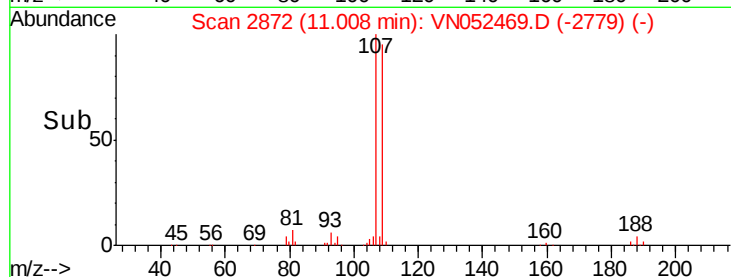
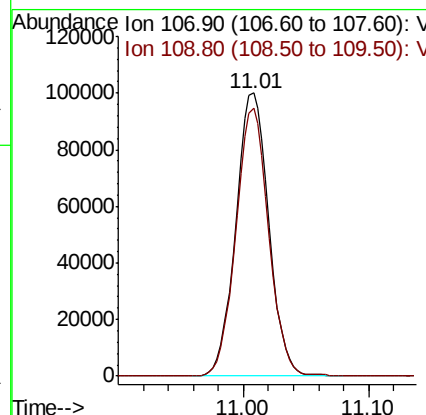
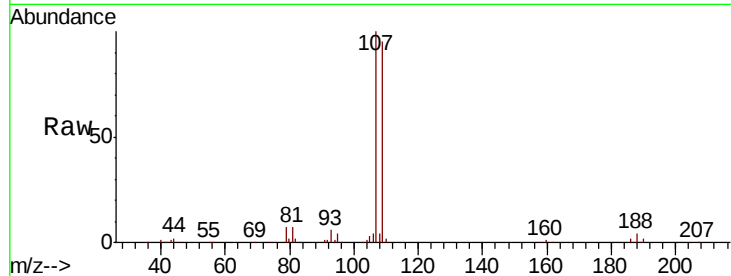
#61
 1,2-Dibromoethane
 Concen: 19.567 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.6	113.4

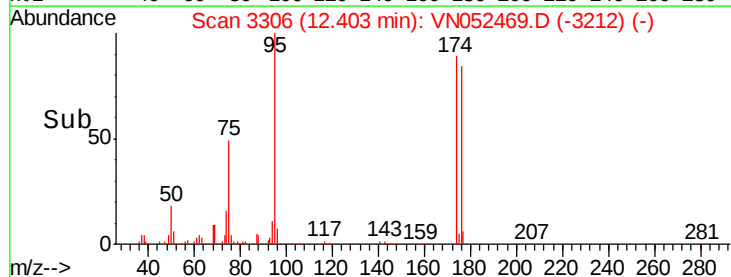
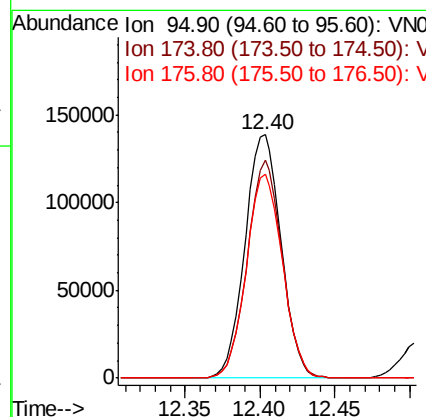
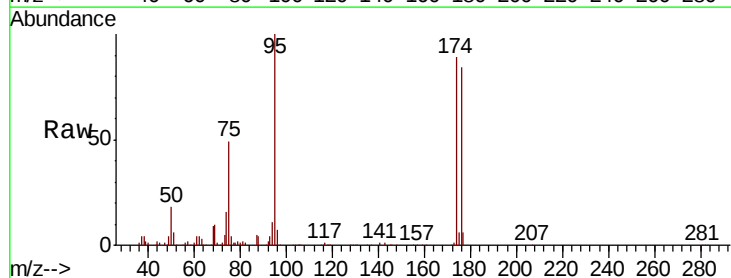
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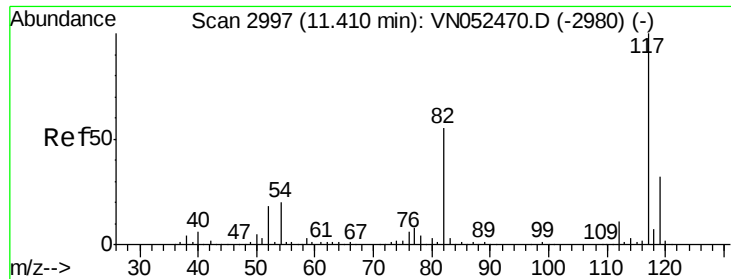
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 19.567 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	173.0
176	84.0	0.0	166.2





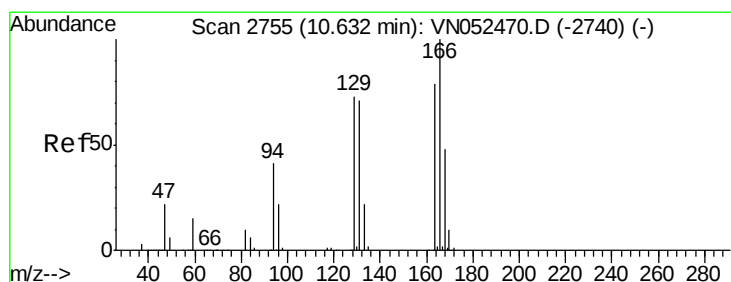
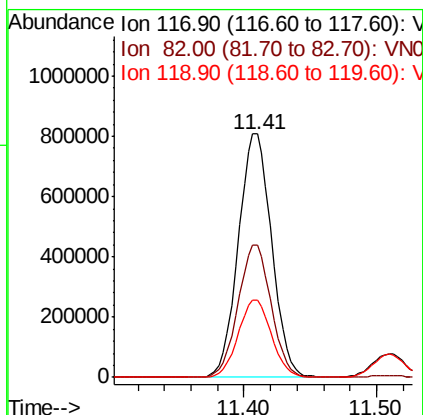
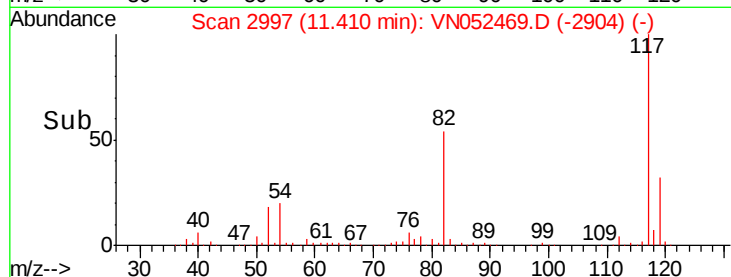
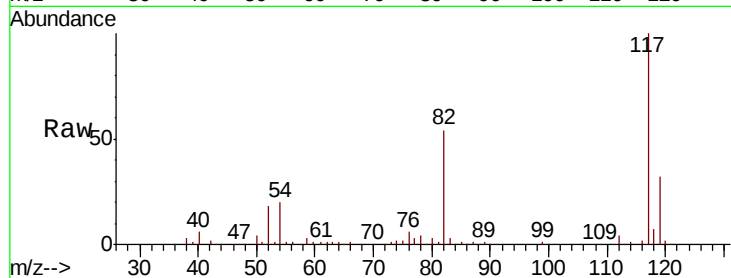
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1408669
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 31.9 25.4 38.2

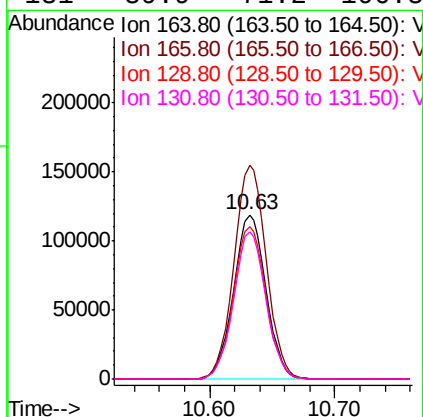
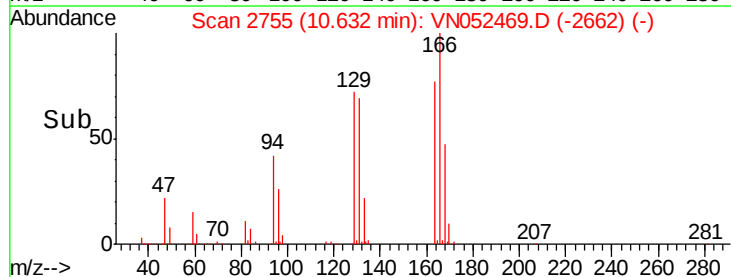
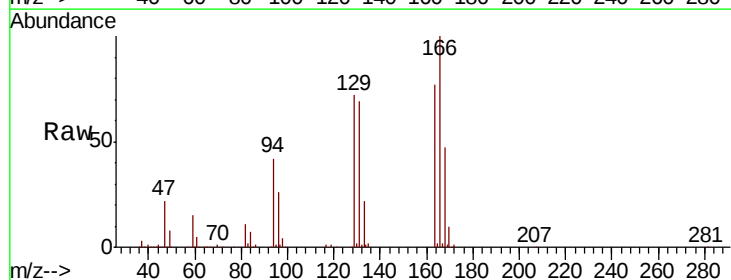
Manual Integrations
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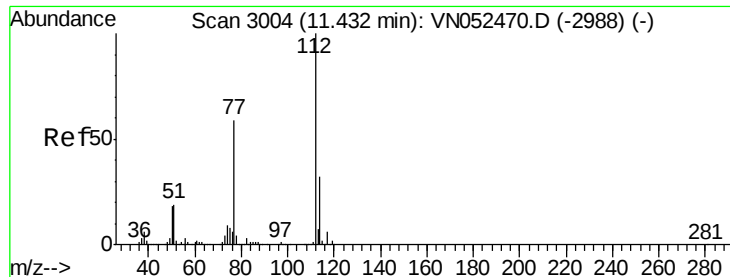
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#64
Tetrachloroethene
Concen: 19.526 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion:164 Resp: 213256
Ion Ratio Lower Upper
164 100
166 129.9 101.0 151.4
129 92.9 73.8 110.6
131 89.9 71.2 106.8





#65

Chlorobenzene

Concen: 19.691 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 571952

Ion Ratio Lower Upper

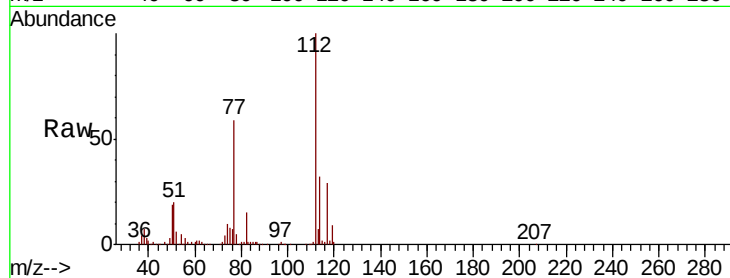
112 100

114 32.1 25.8 38.6

Manual Integrations
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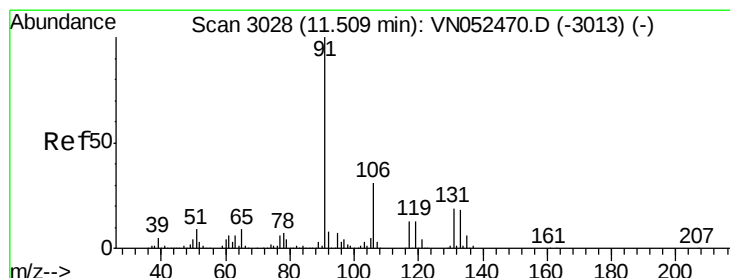
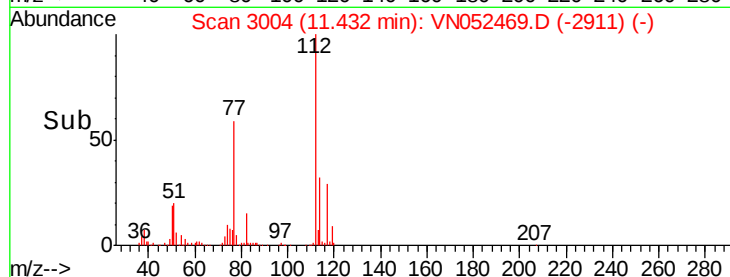
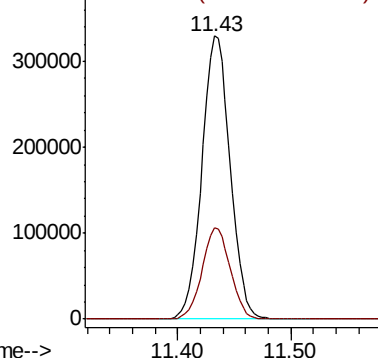
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.393 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

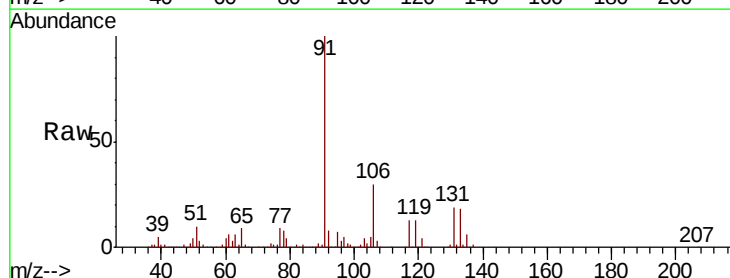
Tgt Ion:131 Resp: 195858

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.8

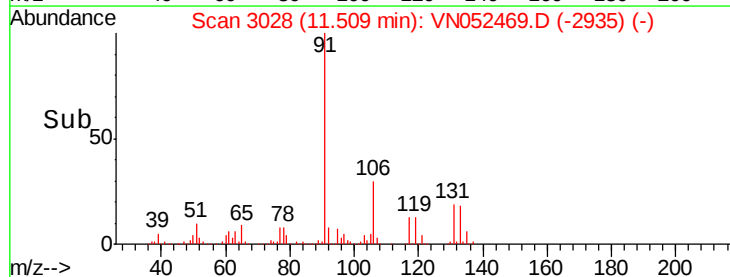
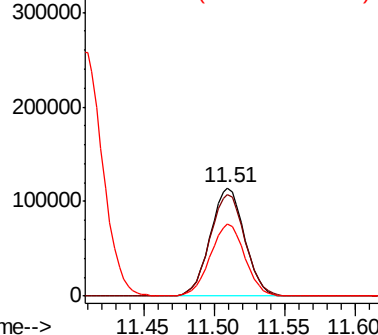
119 66.9 33.2 99.6

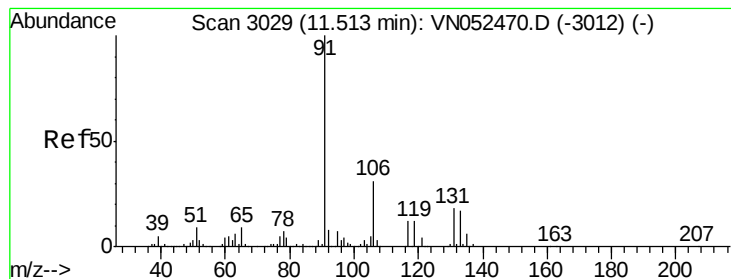


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.797 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 1006994

Ion Ratio Lower Upper

91 100

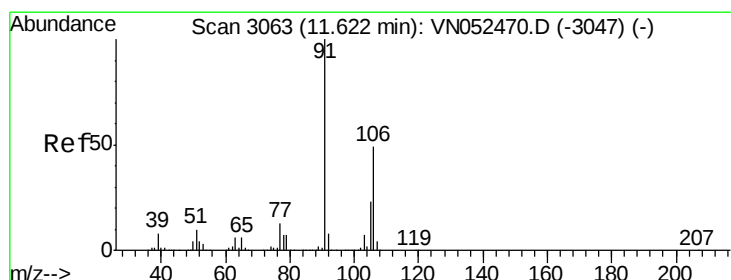
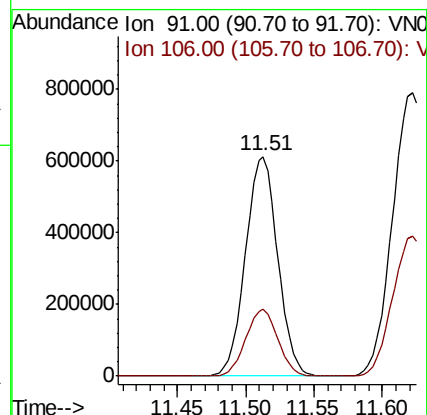
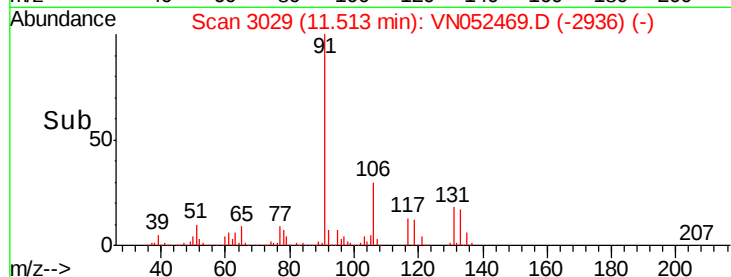
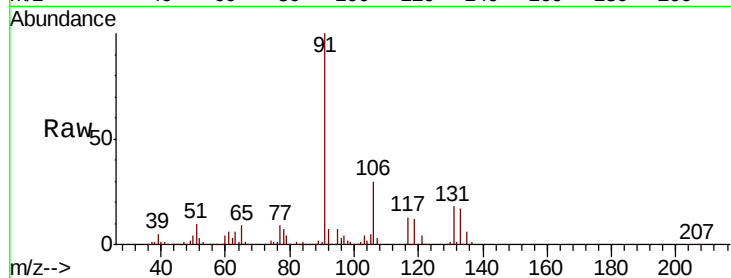
106 30.3 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.735 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052469.D

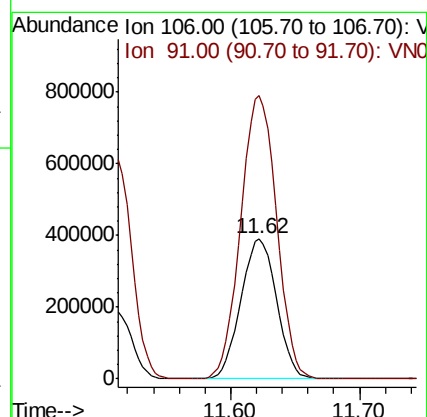
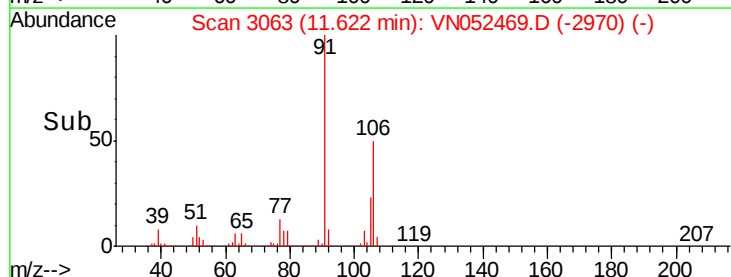
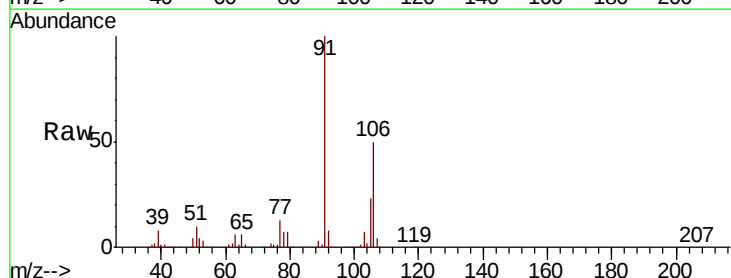
Acq: 27 Nov 2018 10:05

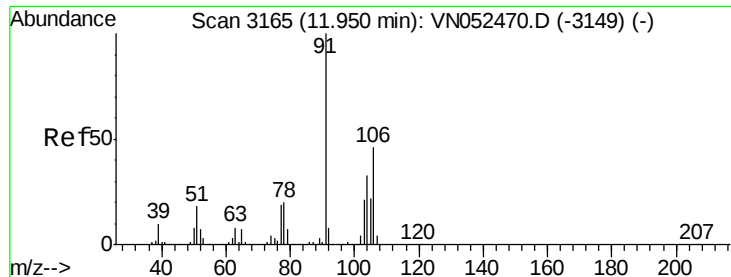
Tgt Ion: 106 Resp: 752417

Ion Ratio Lower Upper

106 100

91 203.6 163.2 244.8





#69

o-Xylene

Concen: 20.031 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 368332

Ion Ratio Lower Upper

106 100

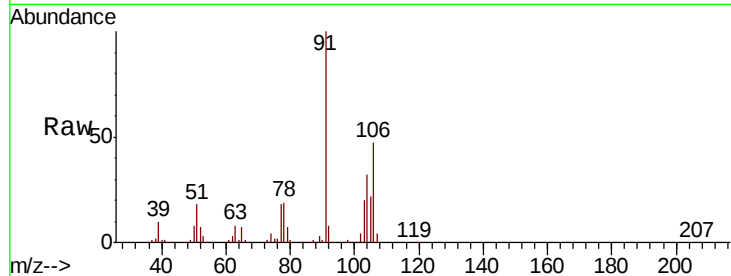
91 214.8 107.7 323.1

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

500000

400000

300000

200000

100000

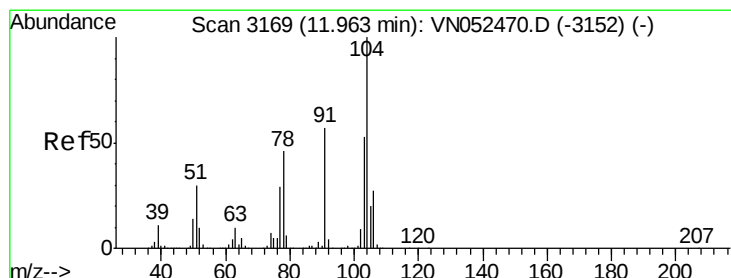
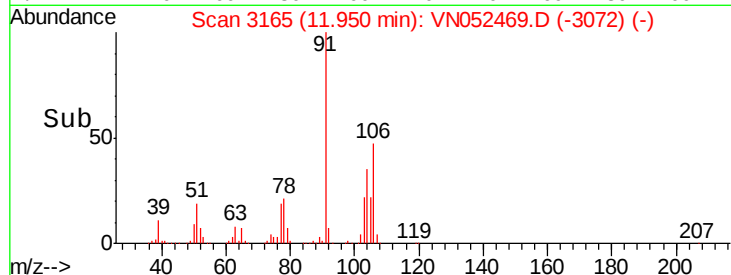
0

11.90

11.95

12.00

Time-->



#70

Styrene

Concen: 19.894 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

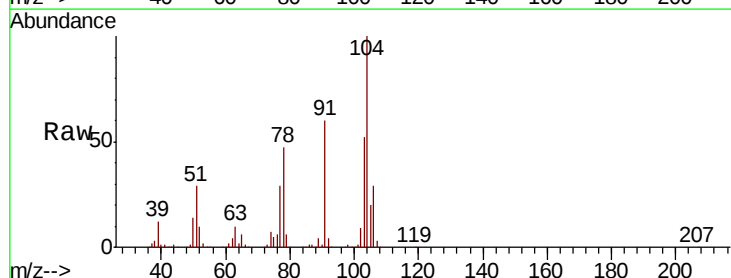
Tgt Ion:104 Resp: 582663

Ion Ratio Lower Upper

104 100

78 50.1 39.4 59.2

103 55.6 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

400000

300000

200000

100000

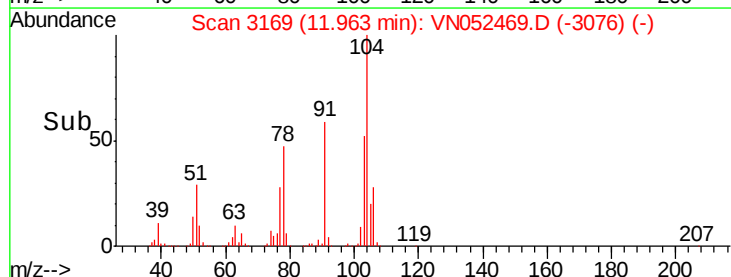
0

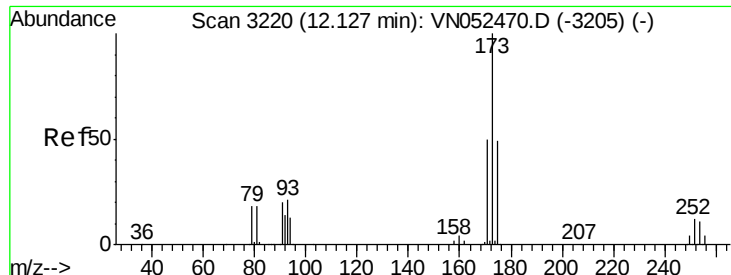
11.90

11.96

12.00

Time-->





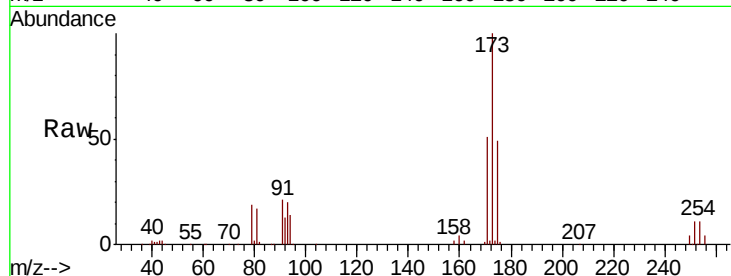
#71
Bromoform
Concen: 19.758 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.2
254	0.0	0.1	0.1#

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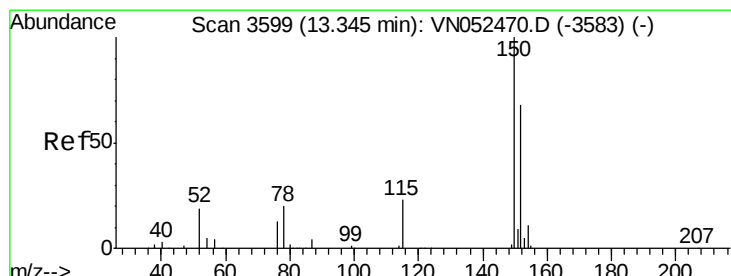
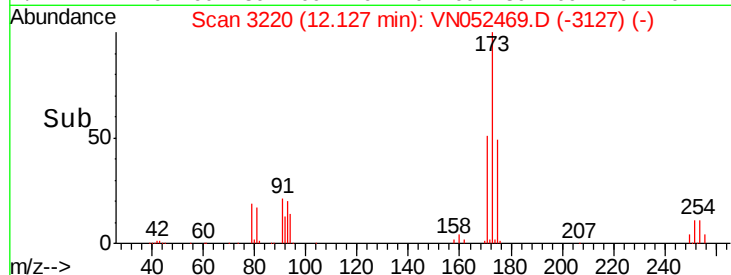
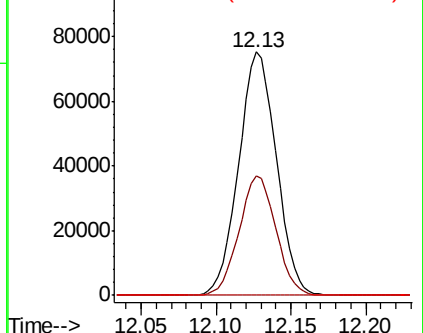


Abundance

Ion 172.70 (172.40 to 173.40): V

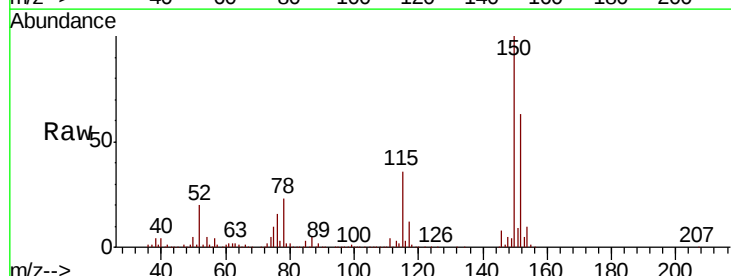
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.2
150	164.2	0.0	346.0

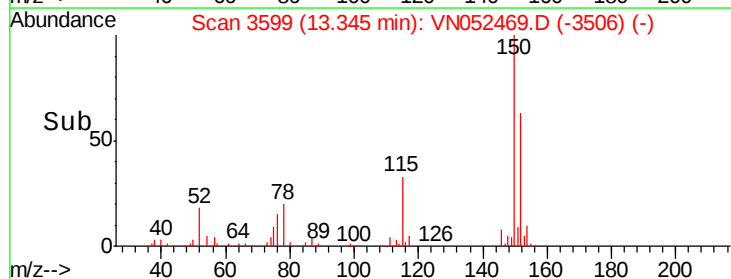
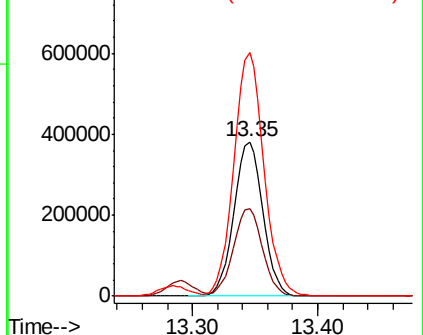


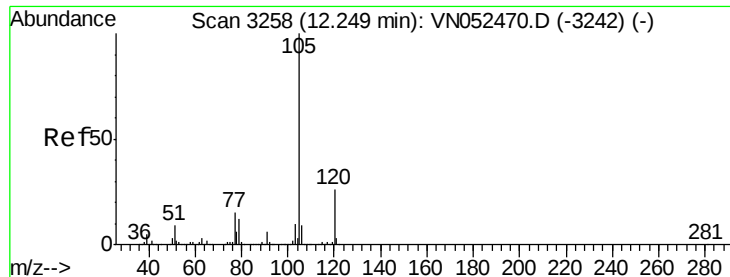
Abundance

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: 20.120 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 964410

Ion Ratio Lower Upper

105 100

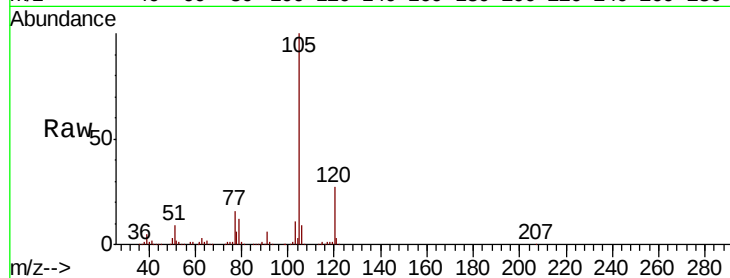
120 26.7 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

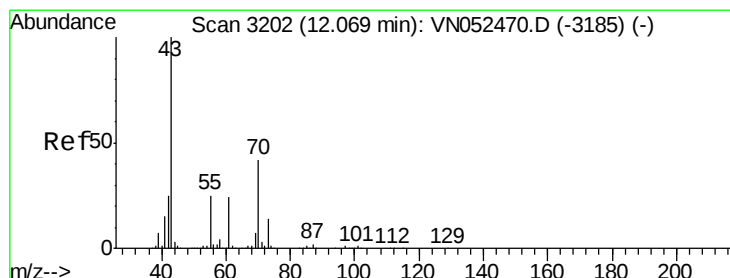
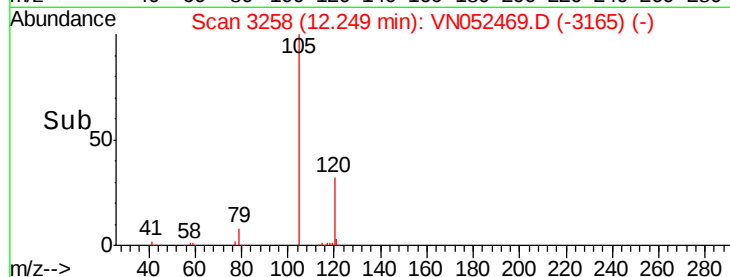
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.306 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion: 43 Resp: 233790

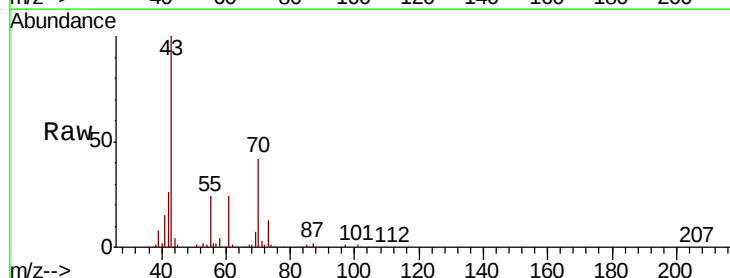
Ion Ratio Lower Upper

43 100

70 42.4 33.8 50.8

55 25.0 20.0 30.0

61 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

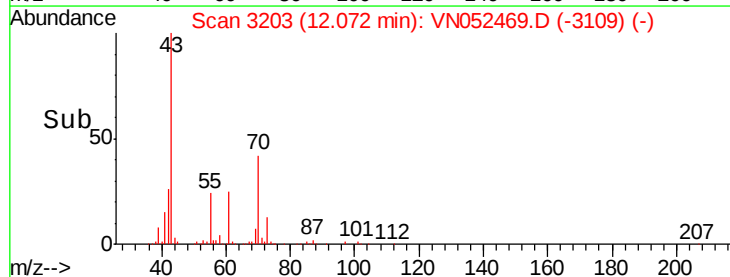
150000

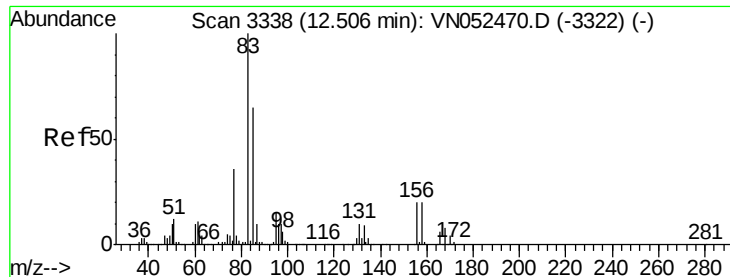
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.998 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 218055
Ion Ratio Lower Upper

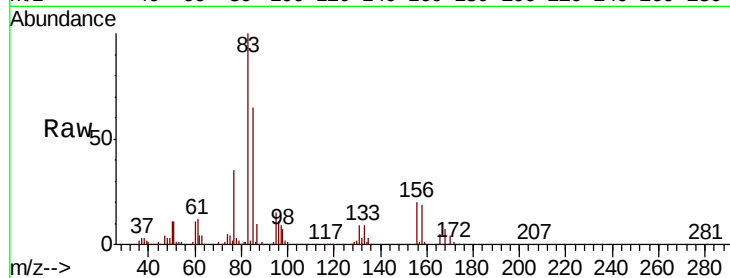
83 100

131 10.0 5.0 15.0

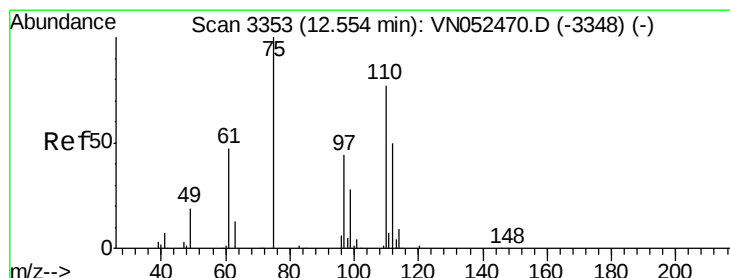
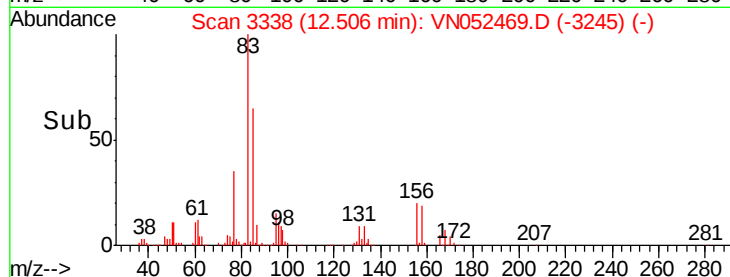
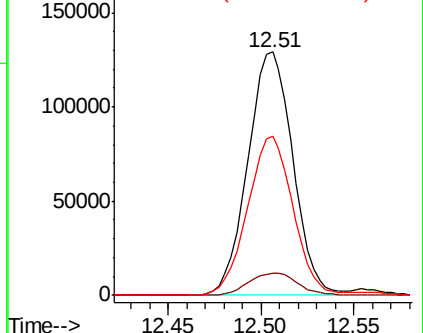
85 65.7 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)
Ion 130.80 (130.50 to 131.50): VN052470.D (-3322) (-)
Ion 84.90 (84.60 to 85.60): VN052470.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 20.843 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

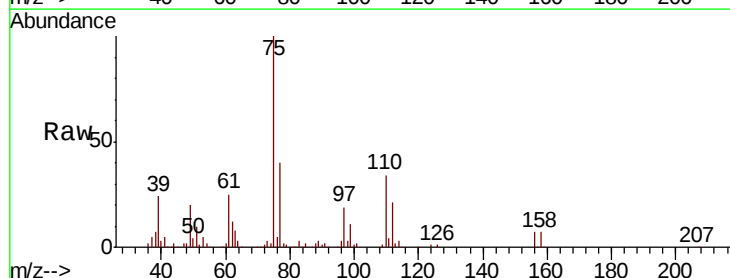
Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

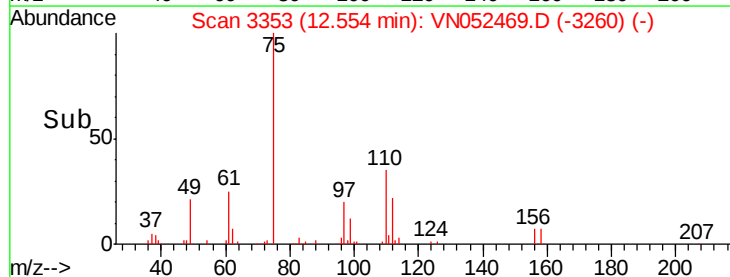
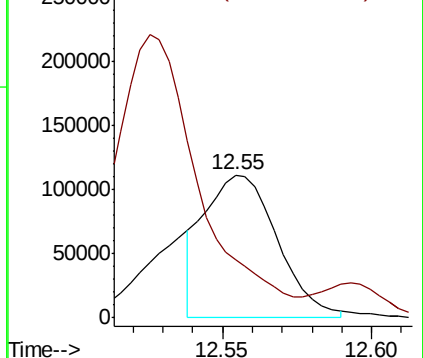
Tgt Ion: 75 Resp: 188883
Ion Ratio Lower Upper

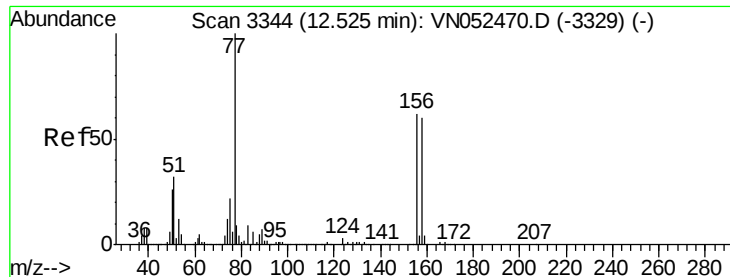
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)
Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)





#77

Bromobenzene

Concen: 19.854 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

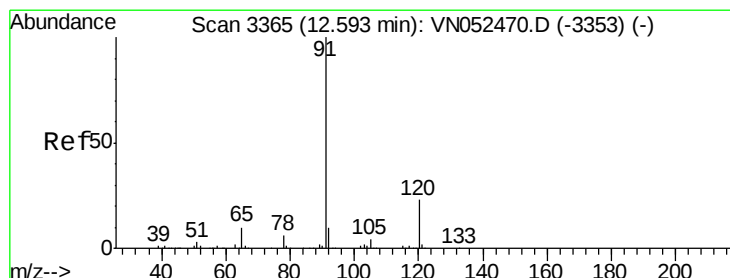
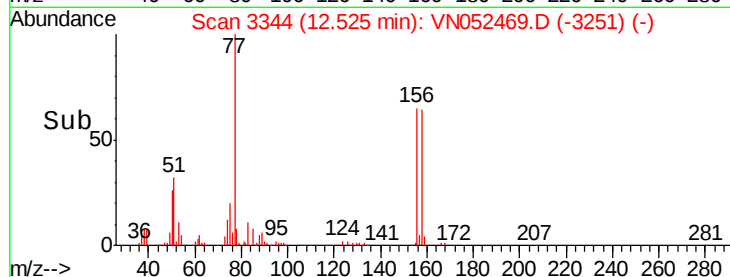
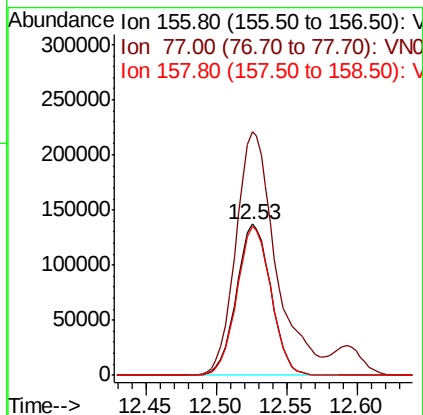
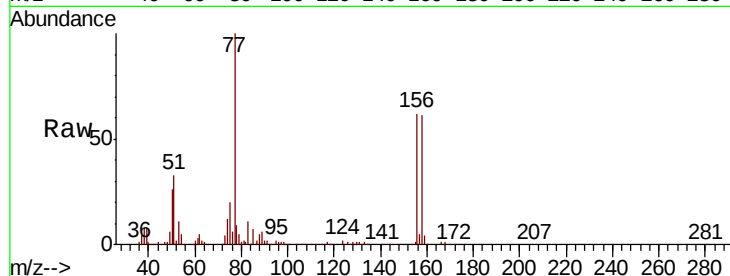
ClientSampleId :

VSTDIC020

Tgt Ion:	156	Resp:	235223
Ion Ratio	Lower	Upper	
156	100		
77	187.3	93.5	280.4
158	97.6	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.223 ug/l

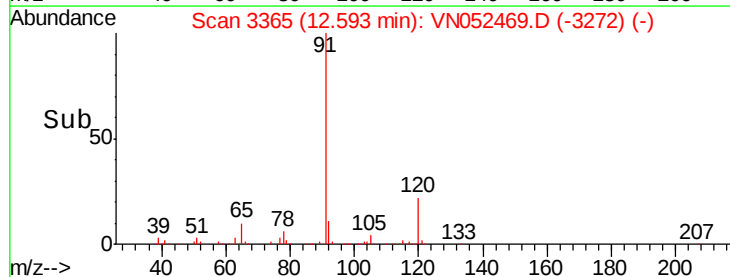
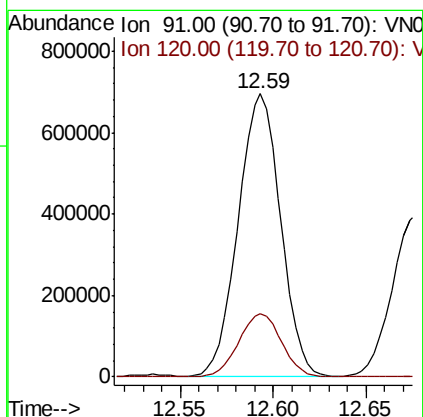
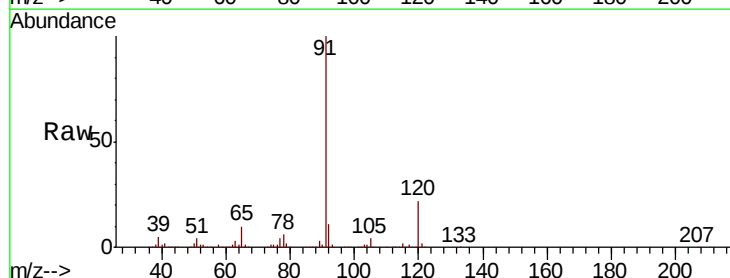
RT: 12.59 min Scan# 3365

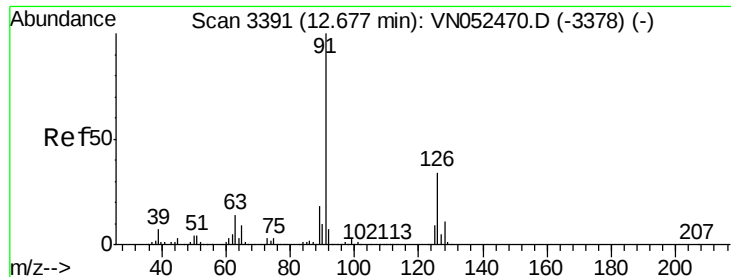
Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion:	91	Resp:	1101207
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.180 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 654400

Ion Ratio Lower Upper

91 100

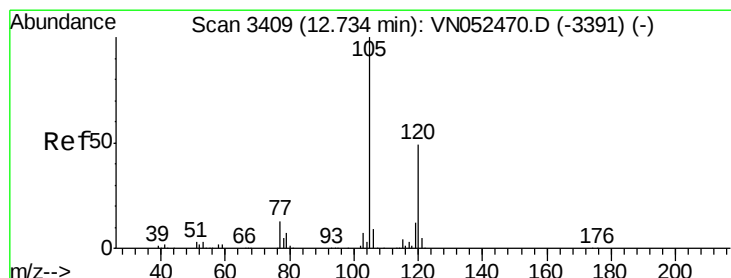
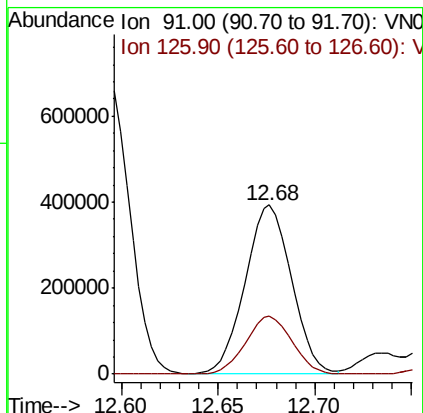
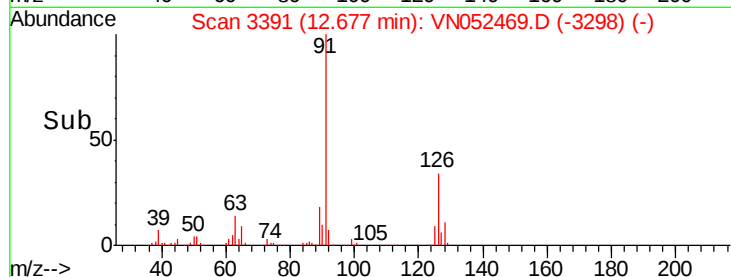
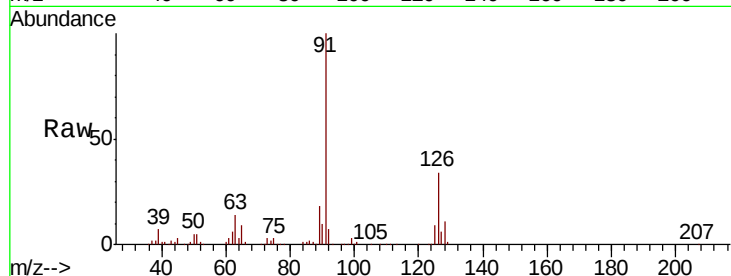
126 34.4 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.511 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052469.D

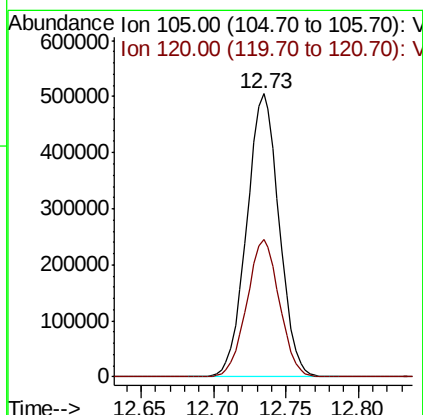
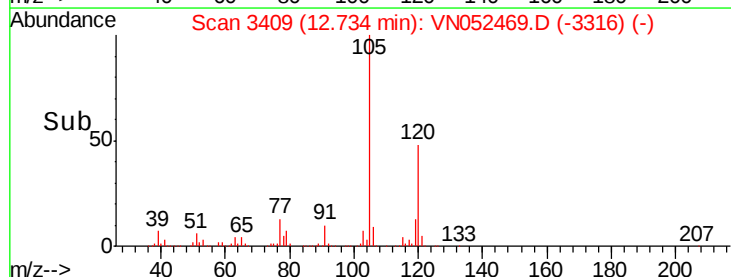
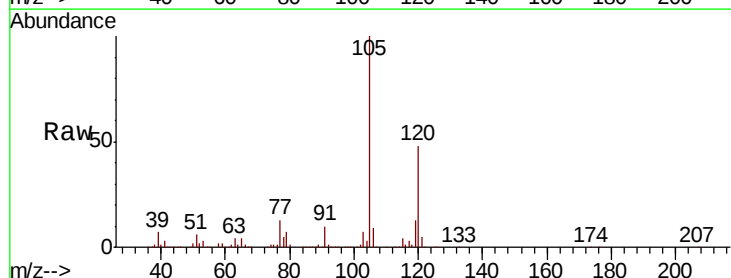
Acq: 27 Nov 2018 10:05

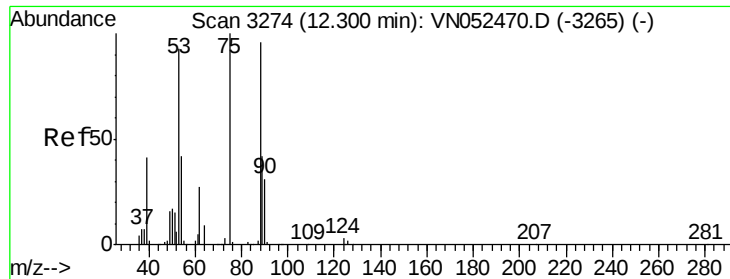
Tgt Ion: 105 Resp: 784108

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





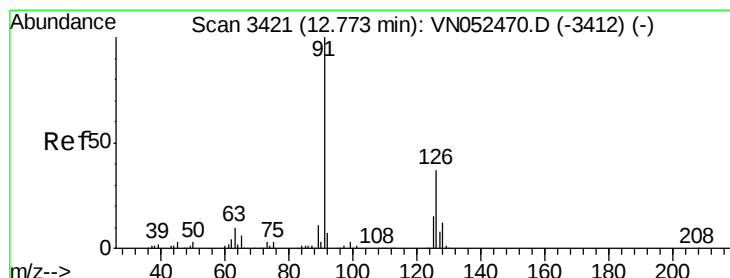
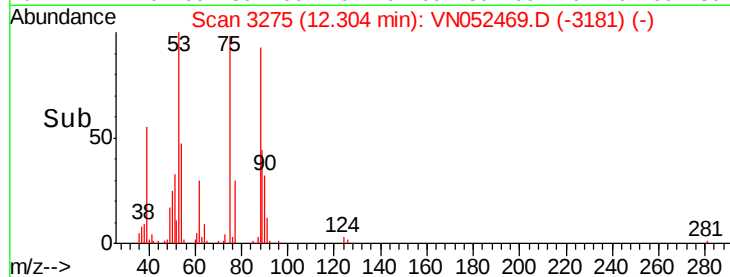
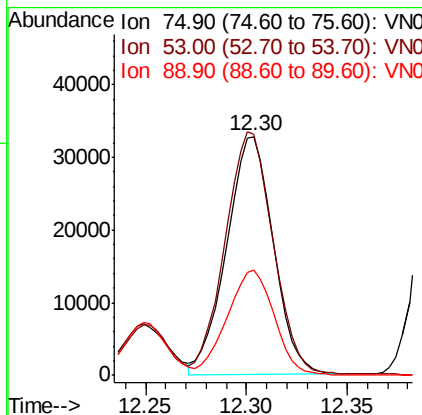
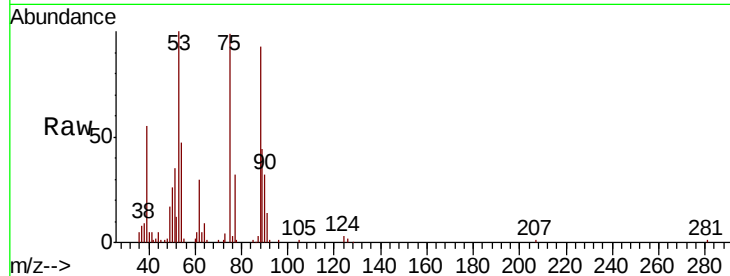
#81
trans-1,4-Dichloro-2-butene
Concen: 18.800 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 53036
Ion Ratio Lower Upper
75 100
53 104.6 77.4 116.0
89 44.5 35.4 53.2

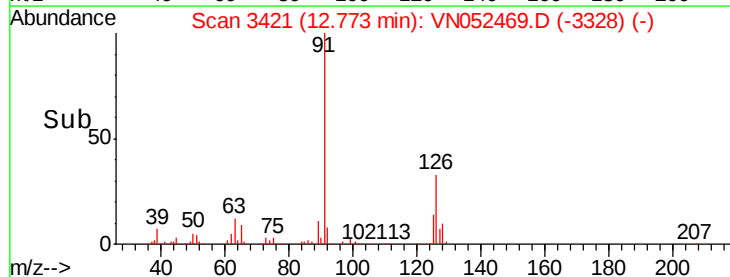
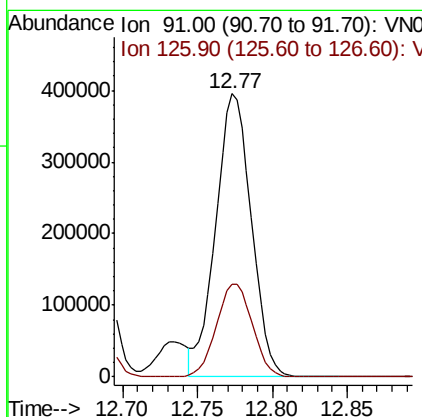
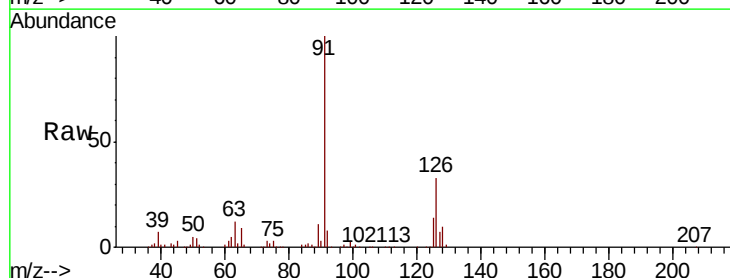
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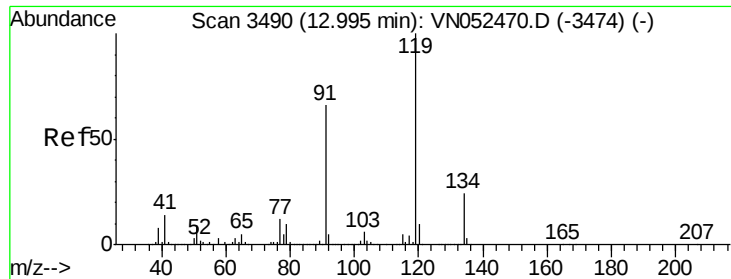
MMDadoda
11/28/2018 9:33:28 AM



#82
4-Chlorotoluene
Concen: 20.018 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 91 Resp: 654228
Ion Ratio Lower Upper
91 100
126 33.2 16.9 50.6





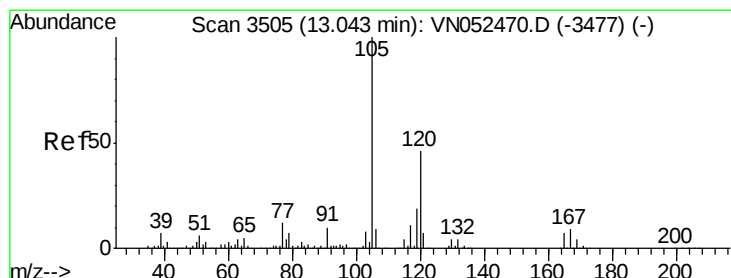
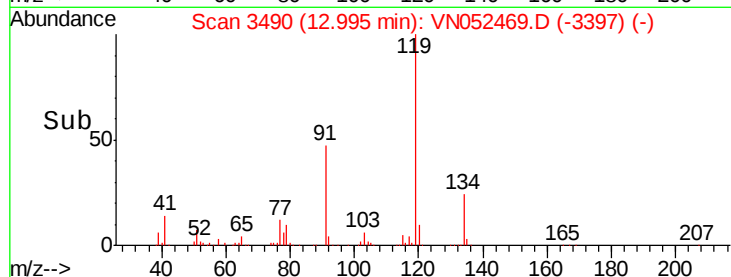
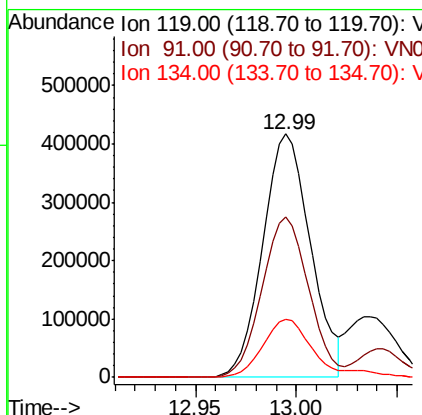
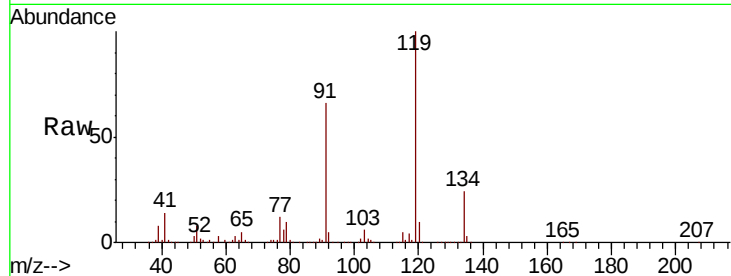
#83
 tert-Butylbenzene
 Concen: 20.175 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	687559		
91	64.7	32.3	96.9	
134	25.8	13.0	38.9	

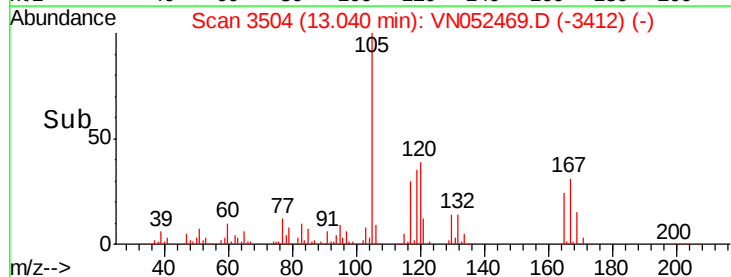
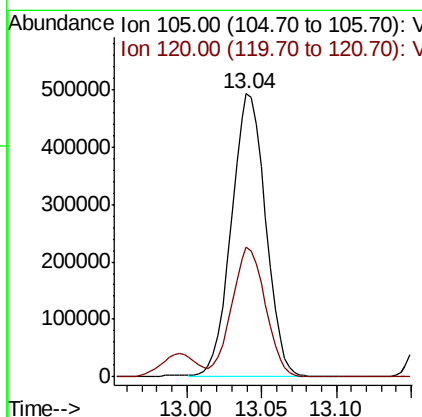
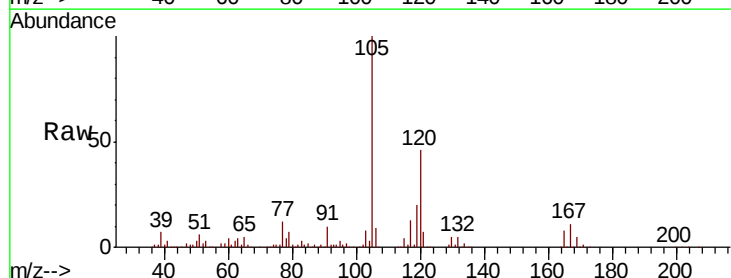
Manual Integrations
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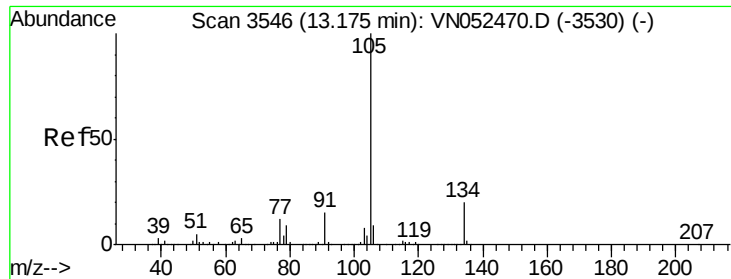
MMDadoda
 11/28/2018 9:33:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.431 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	782736		
120	45.2	22.8	68.4	





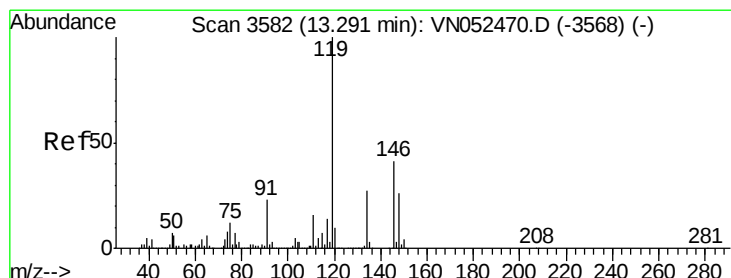
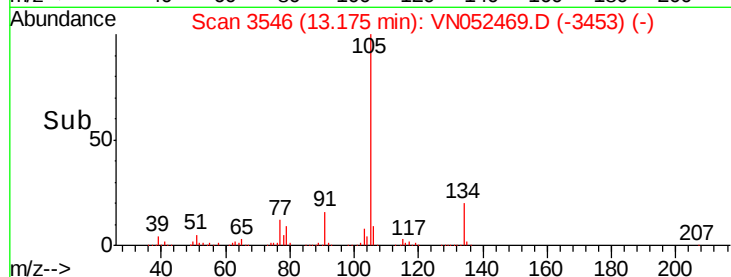
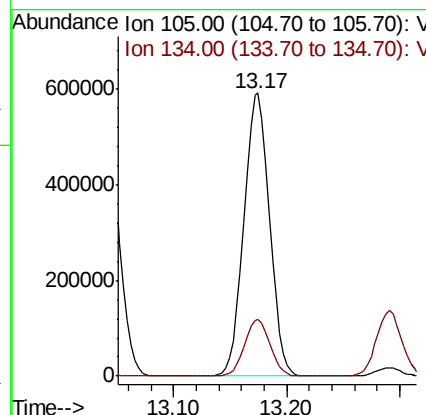
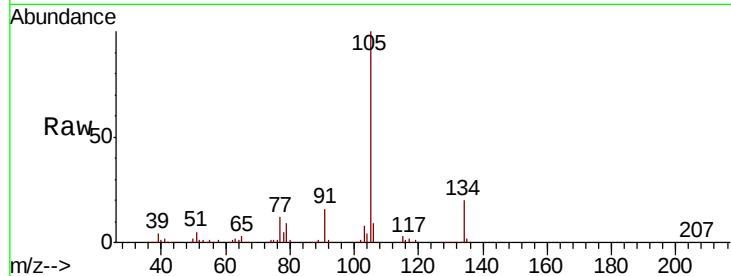
#85
 sec-Butylbenzene
 Concen: 20.123 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

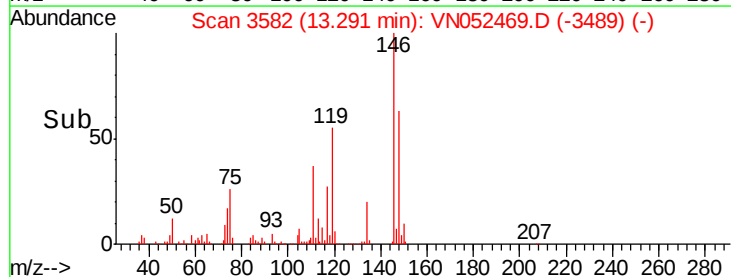
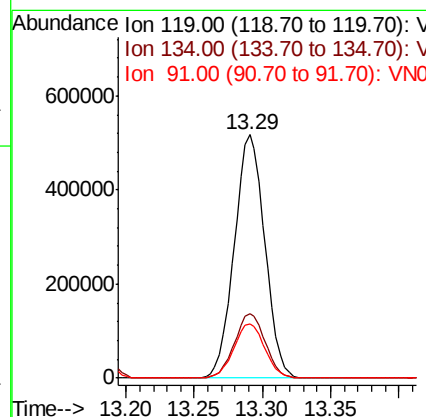
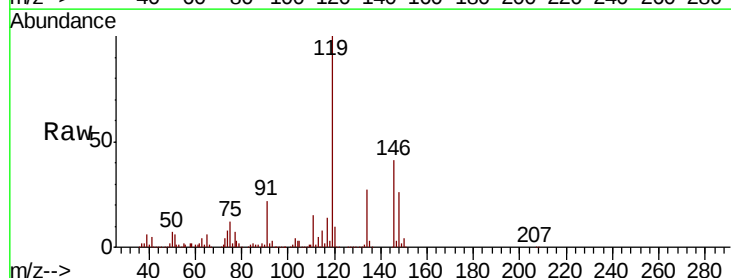
Manual Integrations
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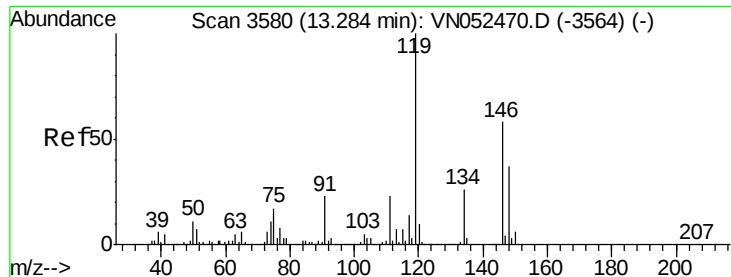
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#86
 p-Isopropyltoluene
 Concen: 20.217 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	22.5	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 19.924 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

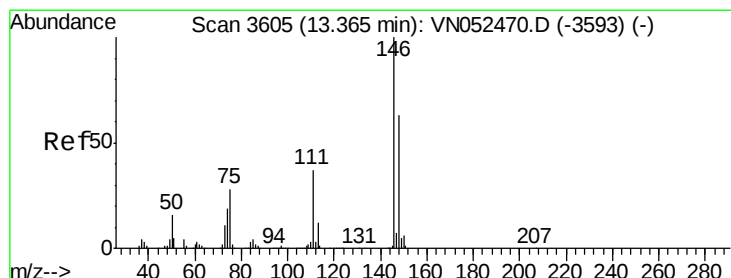
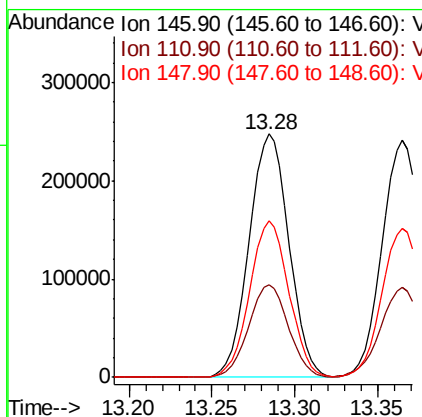
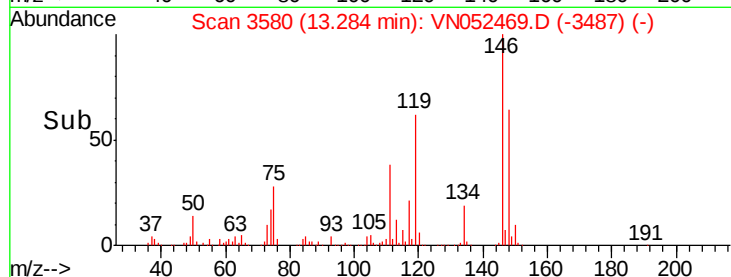
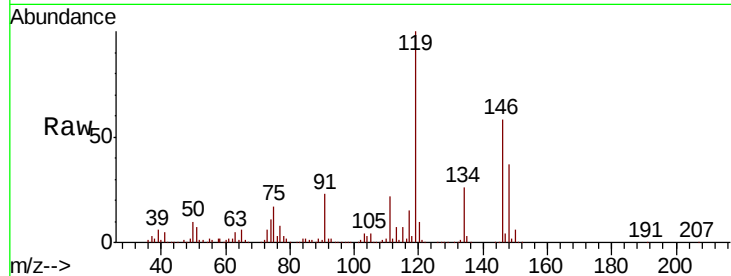
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	412906
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.4	58.4
148	63.4	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.672 ug/l

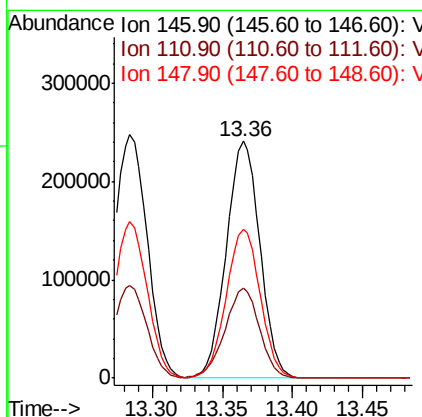
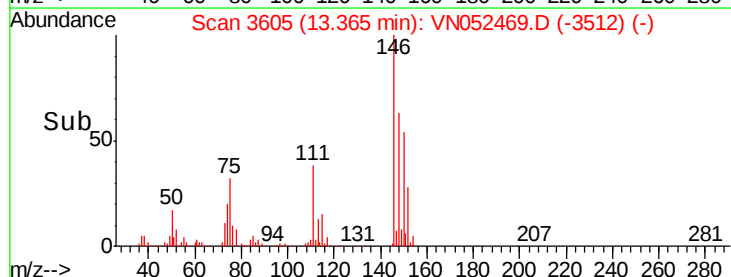
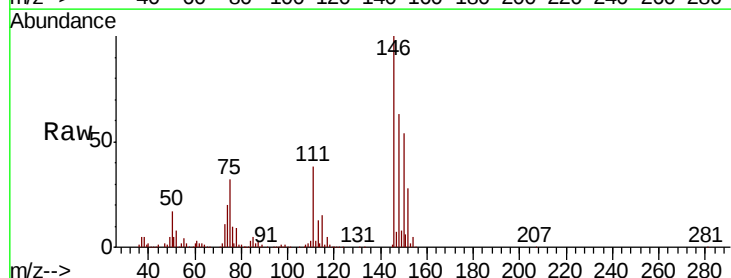
RT: 13.36 min Scan# 3605

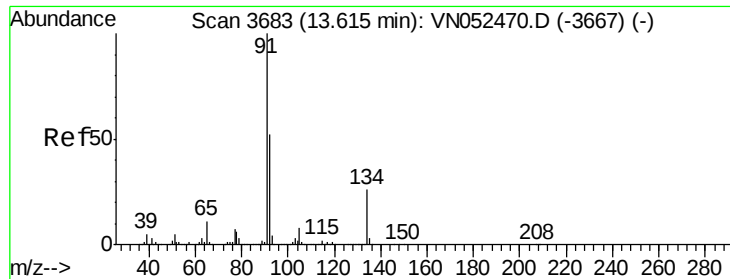
Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion:	146	Resp:	401571
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.6	56.0
148	63.6	31.9	95.9





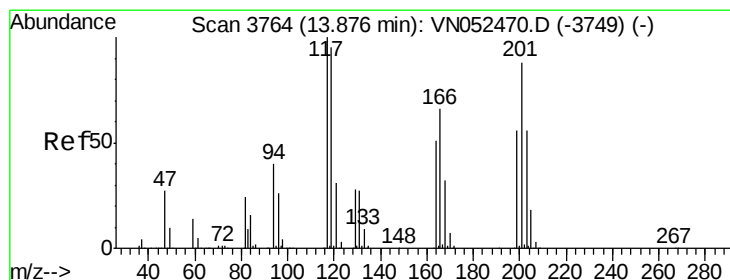
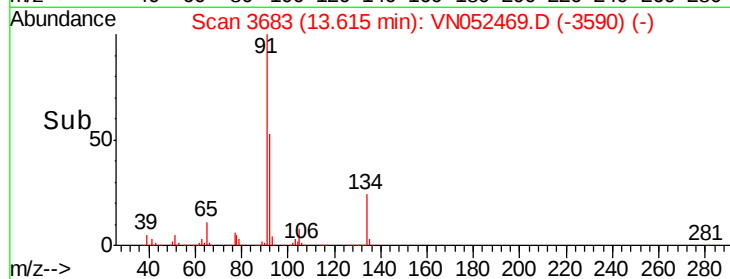
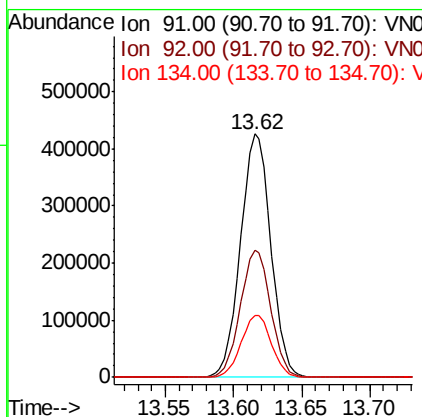
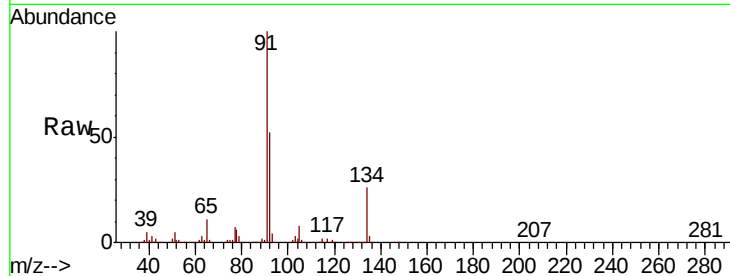
#89
n-Butylbenzene
Concen: 19.945 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.5	13.0	38.9

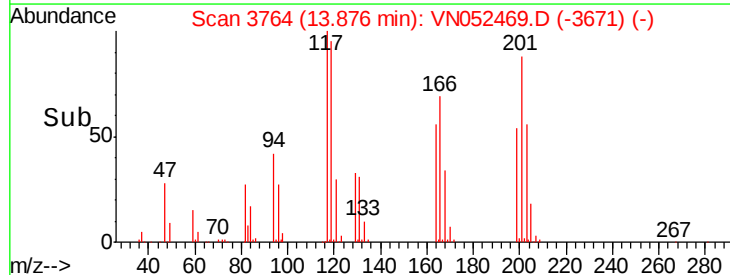
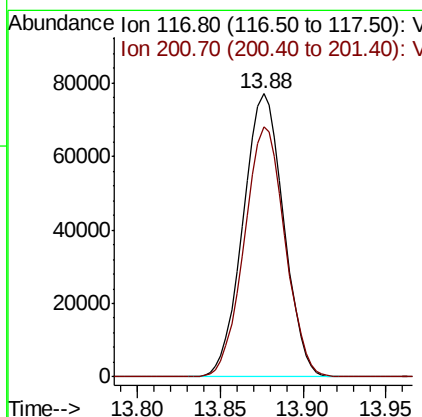
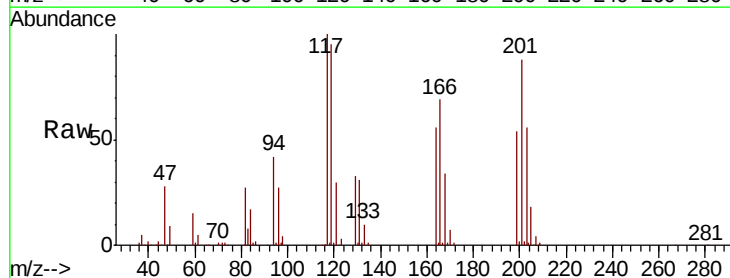
Manual Integrations
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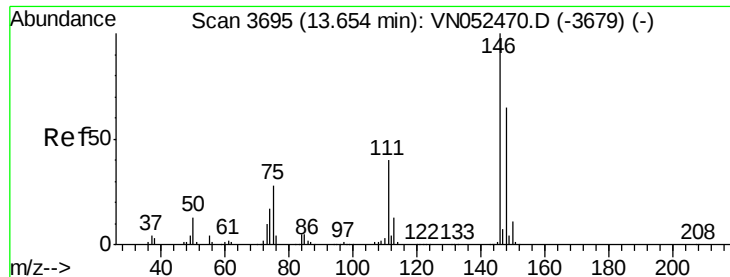
MMDadoda
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#90
Hexachloroethane
Concen: 19.580 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	43.6	130.9





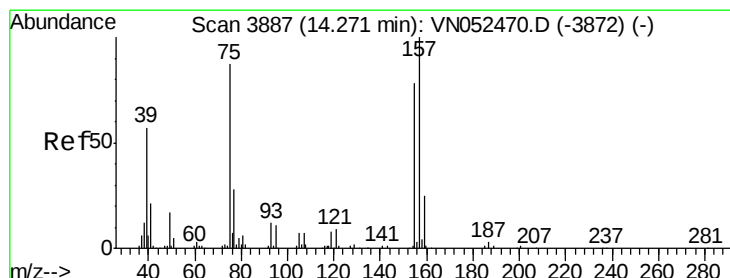
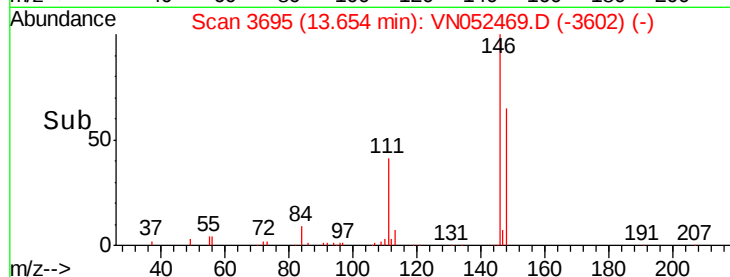
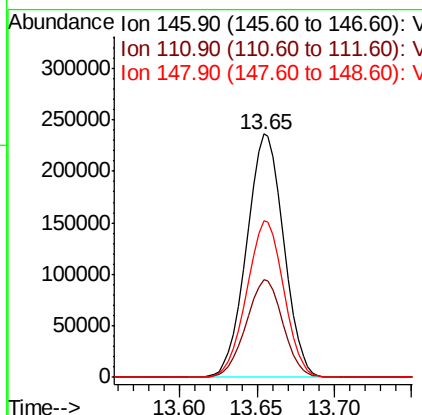
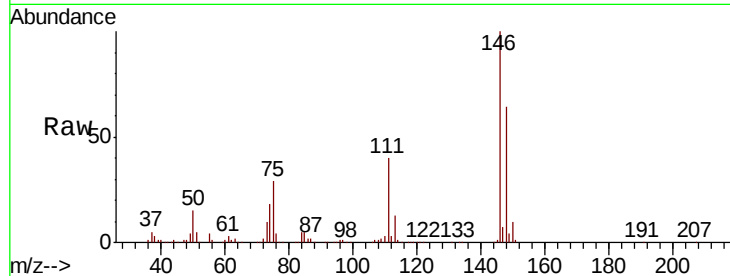
#91
 1,2-Dichlorobenzene
 Concen: 19.928 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	394575		
111	39.9	20.0	60.0	
148	64.2	32.0	96.2	

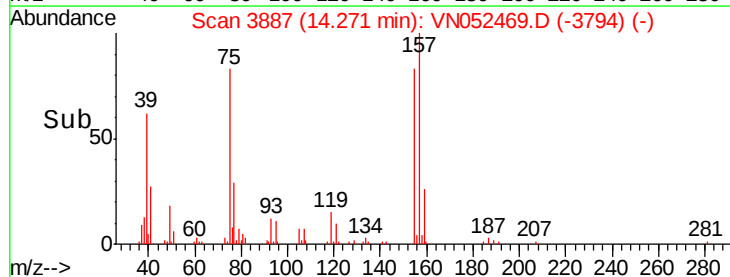
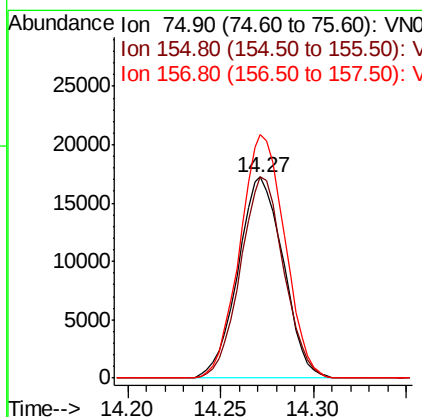
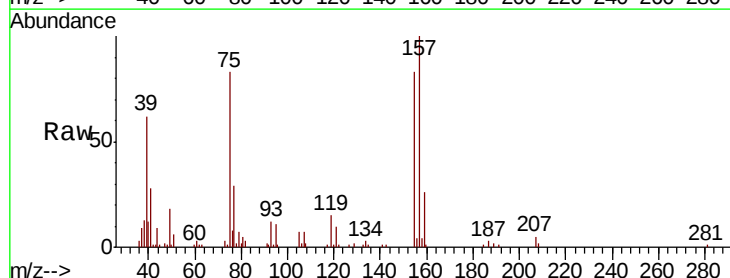
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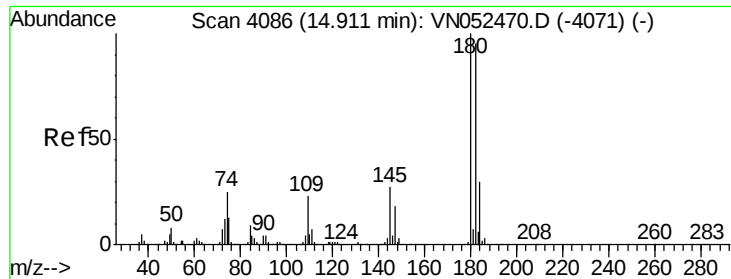
MMDadoda
 11/28/2018 9:33:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.729 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29207		
155	95.8	45.3	135.9	
157	120.4	58.1	174.2	





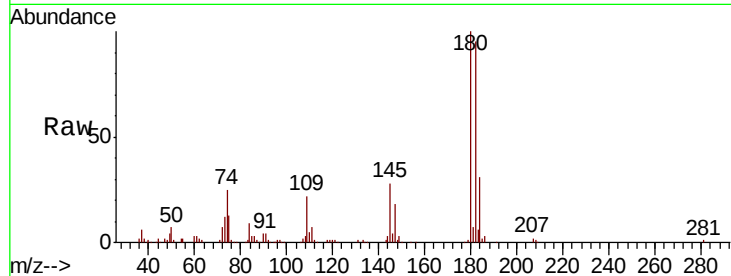
#93
1,2,4-Trichlorobenzene
Concen: 19.402 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	181652		
182	96.5	47.8	143.4	
145	29.1	14.1	42.3	

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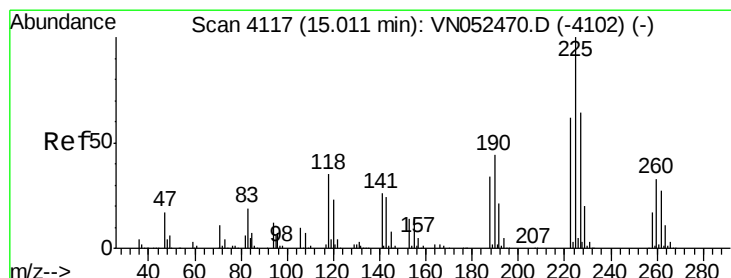
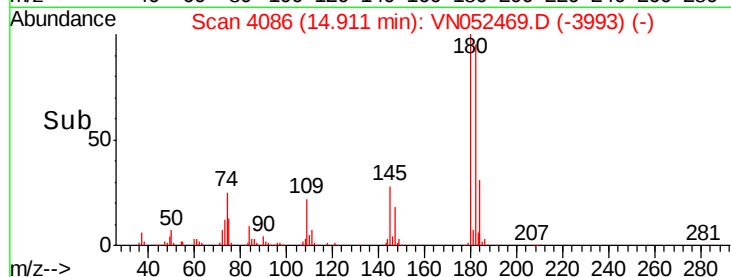
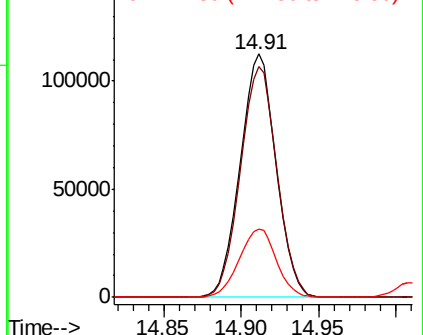


Abundance

Ion 179.80 (179.50 to 180.50): V

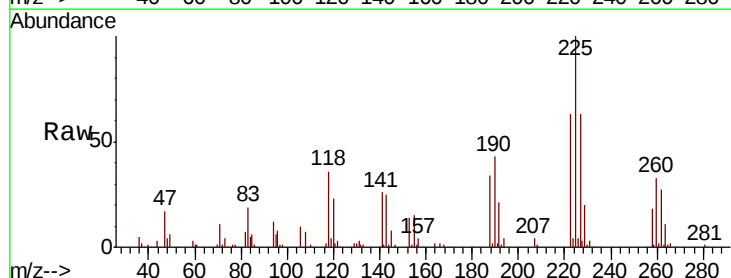
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.894 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126721		
223	62.5	31.4	94.2	
227	63.3	32.5	97.4	

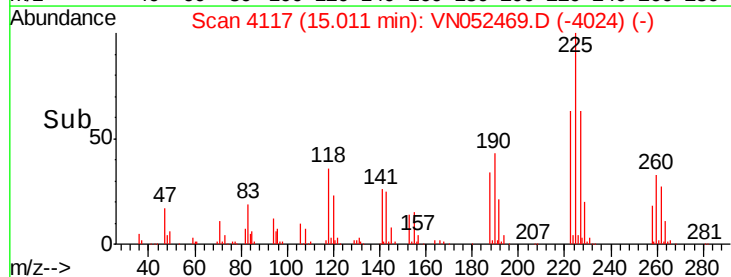
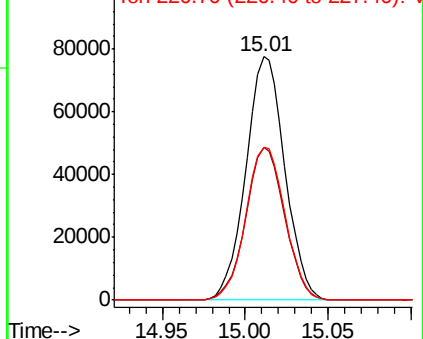


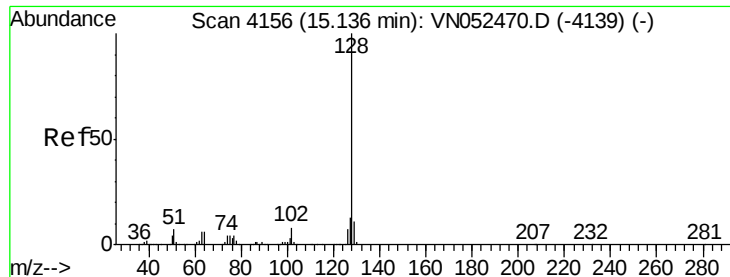
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





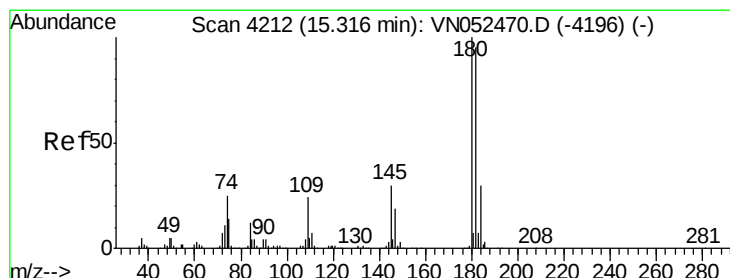
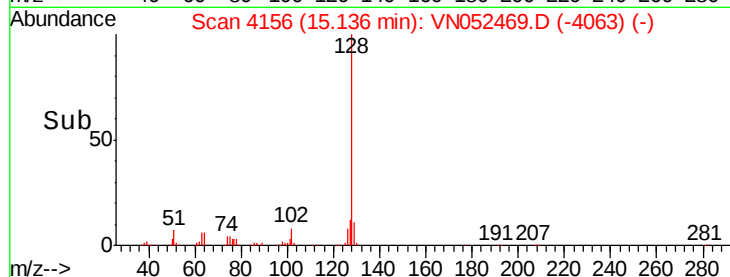
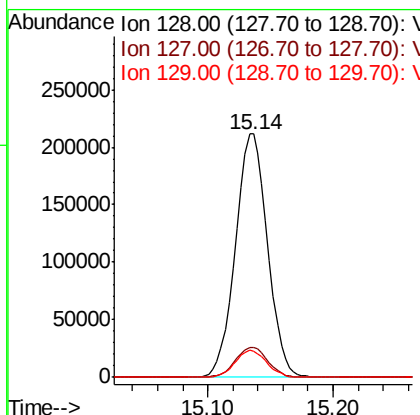
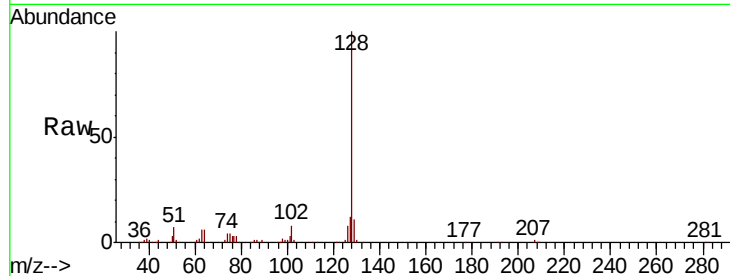
#95
Naphthalene
Concen: 19.423 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.042 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	29.3	15.2	45.5

